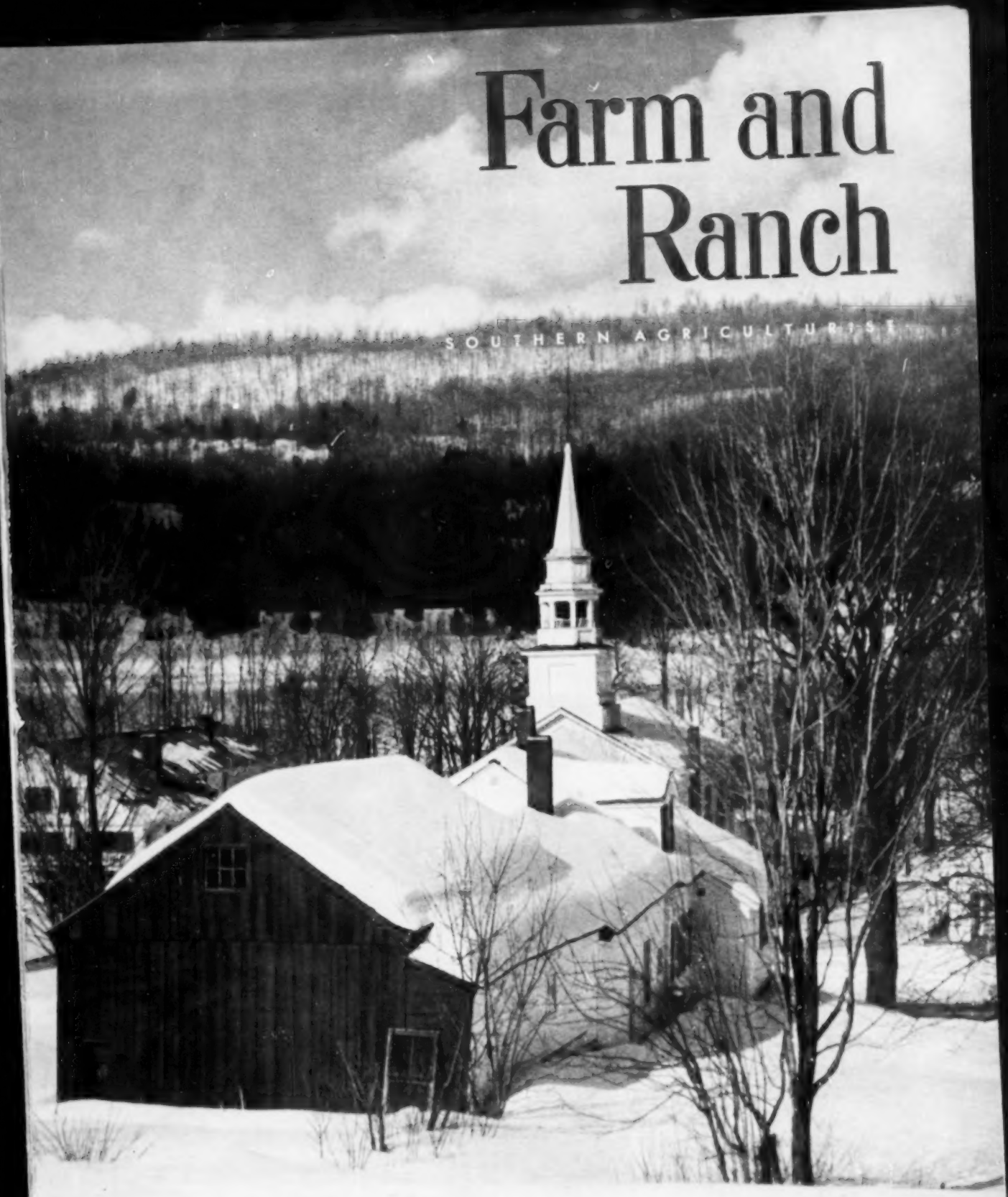
Farm and Ranch

SOUTHERN AGRICULTURIST



JANUARY 1957

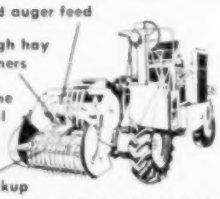
NEW IN THE YEARS-AHEAD UNI-FARMOR FAMILY . . .

UNI-BALOR

WITH ONE UNI-MACHINE OR A FLEET— MM UNI-FARMING PAYS YOU BETTER!

SEE THESE UNI-BALOR ADVANTAGES:

- Controlled auger feed
- Straight-through hay travel. No corners
- Exclusive twine tension control
- Big, 4-foot pickup gets all the hay
- Full size 14x18-inch twine-tied bales



Now, the same basic machine that gives you self-propelled windrowing, forage chopping, combining, corn picking, or corn picking-shelling, does your hay baling, too, to make MM Uni-Farming a still *better* way to farm! The all-new Uni-Balor for the champion Minneapolis-Moline Uni-Farmor takes this self-propelled system a big, new step ahead!

Uni-Farmor machines save you up to $1500 when you buy, save you money every time you add a Uni-Machine because every machine mounts on the same Uni-Tractor. And, when you Uni-Farm, you profit by all the champion advantages that have made the Uni-Farmor overwhelming winner in three straight major corn competitions.

Ask your MM Dealer to show you how Uni-Farming—with one Uni-Machine or a fleet—can pay you better than any other farming method.

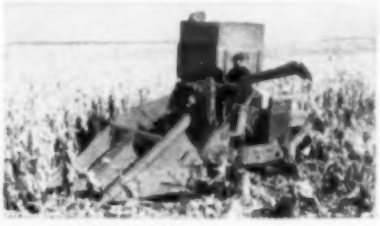
UNI-WINDROWER—Open fields anywhere, cut hay or grain as crops ripen. Big, 10-foot capacity with hydraulic height control and constant cutting speed.

UNI-FORAGOR—Uni-Farmor capacity in the lowest-priced forage harvester on the market! Now with interchangeable direct-cut, row-crop or windrow pick-up headers.

UNI-HARVESTOR—Self-propelled operation *plus* famed MM Harvester performance! Available with hydraulic-controlled 9-foot header or windrow pick-up.

DISCOVER HOW YOU CAN GO SELF-PROPELLED IN EVERY CROP AT FAR LESS COST THAN PULL-BEHINDS!

UNI-HUSKOR—The champion corn picker, in major competition and in your corn! Offers MM's exclusive husking bed with rotating and side-to-side action.

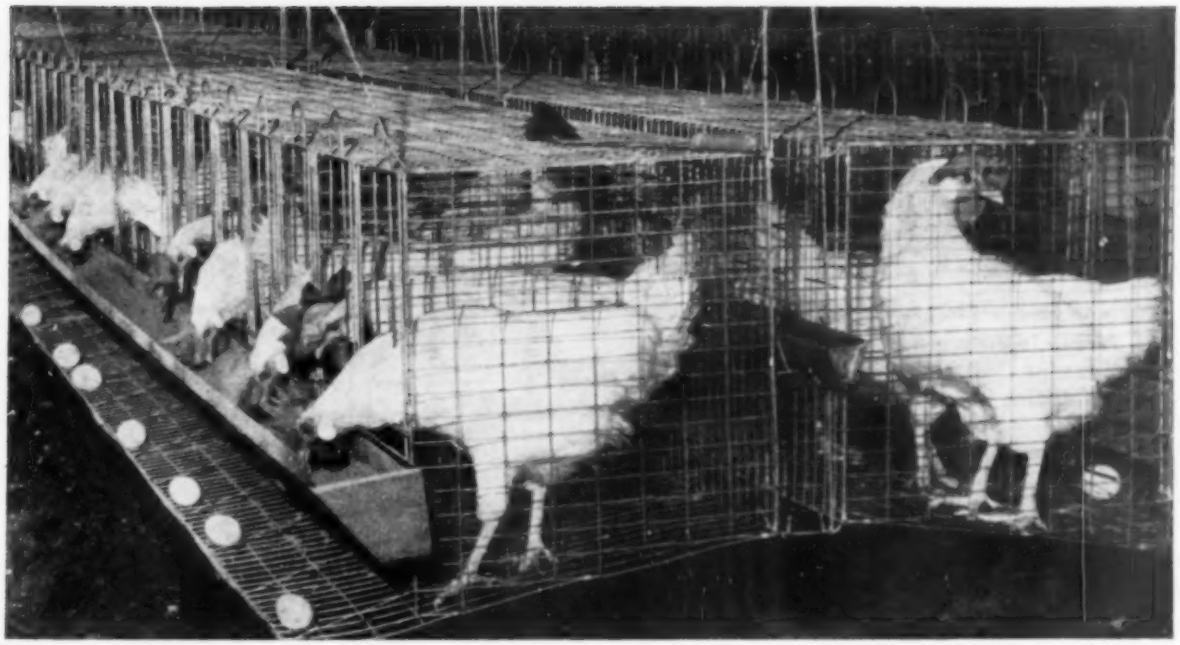


UNI-PICKER-SHELLER—Picks and shells corn with up to 30% moisture content in one trip through! You get the picking advantages of the Uni-Huskor and MM Shelling, too.

REMEMBER, ALL THESE UNI-MACHINES EASILY MOUNT ON *ONE* AND THE *SAME* UNI-TRACTOR—ASK FOR FACTS!

MINNEAPOLIS-MOLINE

MINNEAPOLIS 1, MINNESOTA



with Purina's modern caged hen plan . . .

you can build steady year-round income . . .

Producing eggs with caged hens the Purina way has caught the fancy of hundreds of poultrymen for these reasons:

Constant culling and replacement helps keep production steady and high. Hens produce each dozen eggs on about 20% less feed than average. Assembly-line type operation reduces labor needed to feed, cull, gather eggs, and clean. No previous poultry experience is necessary —if you follow simple instructions from your Purina Dealer. Caged hens can be handled efficiently on full-time (commercial) or part-time (family) basis.

Purina was the leader in introducing caged hens to the Southeast. Purina Chows are used by most cage operators in this area because they have found them profitable. Your home-town Purina Dealer is the place to get fresh Cage Hen Chows, as well as detailed instructions and service to help you succeed in, and enjoy, your caged hen business. See him now and learn about this new way to make a steady year-round income.

Richard Harkness, famous NBC commentator, gives the news behind the farm news on Purina's "Washington Farm Report," direct from Washington, D.C., Monday through Friday. Consult your local radio directory for station and time of this unique farm news program.

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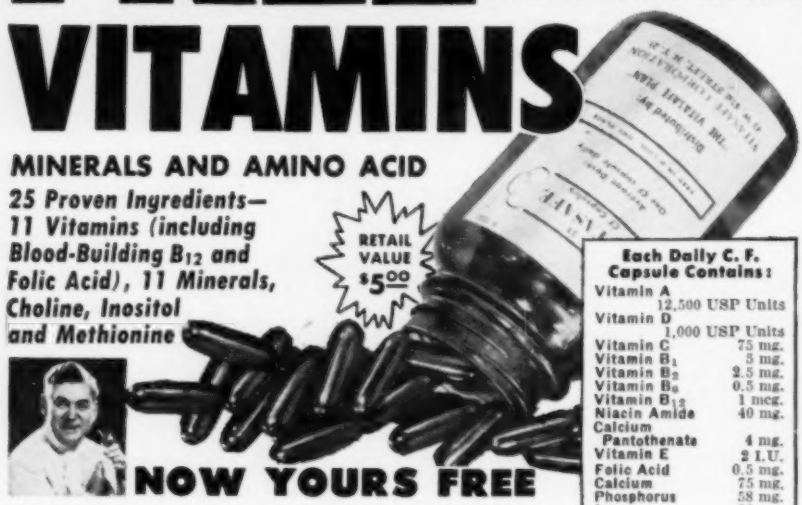
FREE VITAMINS

30 DAYS SUPPLY
Safe High Potency
Nutritional Formula



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25 Proven Ingredients—11 Vitamins (including Blood-Building B_{12} and Folic Acid), 11 Minerals, Choline, Inositol and Methionine

RETAIL VALUE $5.00

Each Daily C. F. Capsule Contains:

Vitamin A	12,500 USP Units
Vitamin D	1,000 USP Units
Vitamin C	75 mg.
Vitamin B_1	5 mg.
Vitamin B_2	2.5 mg.
Vitamin B_6	0.5 mg.
Vitamin B_{12}	1 mcg.
Niacin Amide	40 mg.
Calcium Pantothenate	4 mg.
Vitamin E	2 I.U.
Folic Acid	0.5 mg.
Calcium	75 mg.
Phosphorus	58 mg.
Iron	30 mg.
Cobalt	0.04 mg.
Copper	0.45 mg.
Manganese	0.5 mg.
Molybdenum	0.1 mg.
Iodine	0.075 mg.
Potassium	2 mg.
Zinc	0.5 mg.
Magnesium	3 mg.
Choline Bitartrate	31.4 mg.
Inositol	15 mg.
dl-Methionine	10 mg.

Compare this formula with any other!

NOW YOURS FREE

● To prove to you the remarkable advantages of the Vitasafe Plan . . . we will send you, without charge, a 30-day free supply of high-potency VITASAFE C. F. CAPSULES so you can discover for yourself how much healthier, happier and peppier you may feel after a few days' trial! Just one of these capsules each day supplies your body with over *twice* the minimum adult daily requirement of Vitamin B_1 and the *full* concentration recommended by the National Research Council for the other four important vitamins! Each capsule contains the amazing Vitamin B_{12}—one of the most remarkably potent nutrients science has yet discovered—a vitamin that actually helps strengthen your blood and nourish your body organs.

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There is no mystery to vitamin potency. As you probably know, the U.S. Government strictly controls each vitamin manufacturer and requires the exact quantity of each vitamin and mineral to be clearly stated on the label. This means that the purity of each ingredient, and the sanitary conditions of manufacture are carefully controlled for your protection! And it means that when you use VITASAFE C. F. CAPSULES you can be *sure* you're getting exactly what the label states . . . and that you're getting *pure* ingredients whose beneficial effects have been proven time and time again!

WHY WE WANT YOU TO TRY A 30-DAY SUPPLY — FREE!

We offer you this 30-day free trial of valuable VITASAFE C.F. CAPSULES for just one reason. So many persons have already tried them with such astounding results . . . so many people have written in telling us how much better they felt after only a short trial . . . that we are absolutely convinced that you, too, may experience the same feeling of health and well-being after a similar trial. In fact, we're so convinced that we're willing to back up our convictions with our own money. *You* don't spend a penny for the vitamins! All the cost and all the risk are *ours*. A month's supply of similar vitamin capsules would ordinarily cost $5.00 retail.

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With your free vitamins you will also receive complete details of an amazing new plan that provides you regularly with all the Vitamins and minerals you will need. This Plan actually enables you to receive a 30-day supply of vitamins every month, regularly, safely and factory fresh for exactly $2.00—or 60% lower than the usual retail price. BUT YOU DO NOT HAVE TO DECIDE NOW—you are under no obligation to buy anything from us whatsoever. To get your free 30-day supply and learn all about this amazing new Plan, be sure to send us the coupon today—the supply is limited.

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This offer is limited to those who have never before taken advantage of this generous trial. Only one trial supply per family.

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Covering the South East of the Mississippi
Nashville, Tennessee and
Atlanta, Georgia

2 Southern Editions

ESTABLISHED 1869

1957
January
Vol. 87—No. 1

1,303,000 subscribers—more circulation in the 15 Southern States than any other farm magazine.

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"When you want POWER... you want PETERS 'High Velocity'"

says **PAUL FULLOP**, *Carmi, Illinois*

"People call me a perfectionist. And that's just what I'm after in a shotgun shell. Perfect power . . . for high-flying game. Perfect patterns . . . so no bird can slip through. Perfect performance . . . to make sure I always get my limit.

"Those are the reasons I always shoot Peters 'High Velocity.' To me, it's the *perfect* ammunition. And that goes for the whole Peters line."

Try Peters "High Velocity" next time you go out . . . whether after birds, varmints, big game or just plinking. We're sure you'll agree with outstanding shooters everywhere—there's no more powerful ammunition in the world than Peters "High Velocity"!

"The farmer is the hunter's best friend—treat him that way."

PERFECT FOR WATERFOWL and upland game . . . perfect for any make of modern shotgun . . . Peters "High Velocity" shotgun shells deliver uniform patterns every time, and their "Rustless" priming gives you split-second ignition. Insist on Peters "High Velocity" at your dealer's!

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packs the
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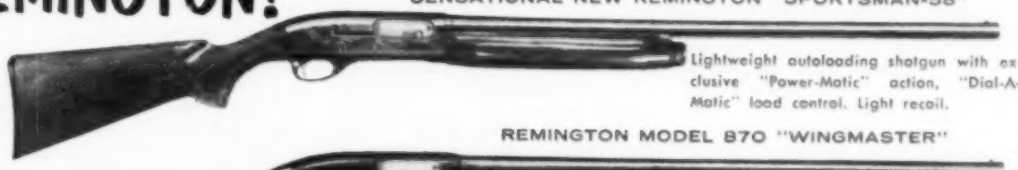
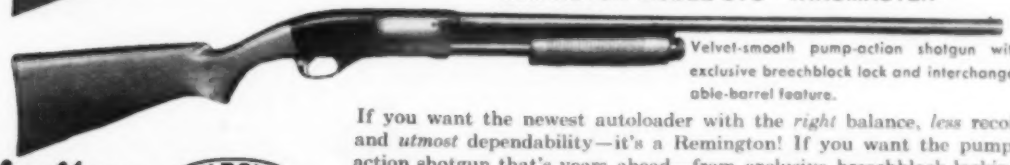
SENSATIONAL NEW REMINGTON "SPORTSMAN-58"



as shown
$129.95*

Lightweight autoloading shotgun with exclusive "Power-Matic" action, "Dial-A-Matic" load control. Light recoil.

REMINGTON MODEL 870 "WINGMASTER"



as shown
$81.95*

Velvet-smooth pump-action shotgun with exclusive breechblock lock and interchangeable-barrel feature.

If you want the newest autoloader with the *right* balance, *less* recoil and *utmost* dependability—it's a Remington! If you want the pump-action shotgun that's years ahead—from exclusive breechblock-locking design to easy take-down—it's Remington again! Before you buy be sure to see the new Remington shotguns!

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*Prices subject to change without notice.

"Sportsman," "Wingmaster" are Reg. U. S. Pat. Off. by Remington Arms Company, Inc., Bridgeport 2, Conn.

The Dynamic 4-Plow WD-45 Tractor *with automatic TRACTION BOOSTER system shifts weight instantly to its drive wheels, the way a champion fighter shifts weight on his feet for a knockout punch . . . puts up to 2½ tons total on the rear wheels! Complete with Power-Shift Wheels, SNAP-COUPLER hitch, Two-Clutch Control. Natural-Feel Power Steering optional.*

ALL MUSCLE
. . . no fat

Remember when Jack Dempsey held the championship of the world . . . pitting 187 pounds of muscle against bulky heavyweights scaling up to 245 pounds?

That's the way it is with tractors today. It's muscle that counts . . . not just size or weight.

The dynamic WD-45 is all muscle—no fat. Fuel-wasting, soil-compacting, tire-wearing, hard-steering "dead" weight has been engineered out . . . *two thousand pounds of it!*

Saving that expensive ton of difference enables you to move faster, do more, save time, make money . . . gives you up to one-third more work-power per dollar . . . plus longer tractor life!

Yes, the 4-plow, 4-row WD-45 Tractor is truly a champion worthy of the name. On your farm this trained cost-fighter will make money for you on every job it tackles, and backed by Allis-Chalmers *True Original Parts and Service* . . . *T-O-P-S* . . . it will always remain in peak condition . . . *TOPS!*

It's easy to own a WD-45. See your Allis-Chalmers dealer today!

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TRACTION BOOSTER AND SNAP-COUPLER ARE ALLIS-CHALMERS TRADEMARKS.©

ALLIS-CHALMERS
Engineering in Action

LETTERS

• • • I think Mr. Anderson is the wisest man I ever read of and I have never caught him wrong in my way of seeing things. I hope to live to have the chance of seeing him President. I would count it my best vote in life . . .

S. C. Elliott *Darden, Tenn.*

• • • If that so-called brain of yours was dynamite and it exploded it would scarcely blow your nose.

Ranza B. Boggess *Friona, Tex.*

An Open Letter To U. S. Congress

• • • We small farmers would like to ask you (Congressmen) why we are being punished for something we are not guilty of.

. . . We small farmers in the burley belt would like to know why, when you set burley allotments for 1955, you stated that allotments would not go below 7/10 of an acre, yet we wound up with 6/10. . . . Are you going to let the big boys force us on relief, or are you going to help us to help ourselves, by giving us small farmers back our base close to our historical base, and make the cut where it will do the most good?

Do you know that there is a large group of people working and earning their livelihood at public work (same government) that have tobacco bases? Do you, Mr. Congressman, believe that it is right to ask us to divide our pitiful little base, which means the difference of losing our farms or making a living for our family, to people with those good jobs? Have you the courage, Mr. Congressman, to tell the big boy that, since he is the one over-producing, you are forced, for the good of all, to roll back his acreage allotment until such time as supply and demand will be somewhere near equal? And will you inform the big farmer that unless we get our base restored we might vote off controls in the very near future? We can exist with controls off.

C. E. Lyell *Crofton, Ky.*

• • • I love to read the wonderful articles by Tom Anderson. In fact your paper is a grand help to farmers from cover to cover.

Mrs. G. A. Shain *Eudora, Ark.*

If the government is going to pay a subsidy to anyone it should be the man who will be raising food for the nation after the city farmer has given up his play farm and gone back to the work he knows best. You would really hear him "squawk" if the farmer began to crowd him a little! . . .
Mrs. Furman Phillips Kaufman, Tex.

• • • I enjoy your magazine very much. The "Recipe Department" being my favorite!
Mrs. W. E. Johnson Bear Creek, N. C.

• • • Have received copies of FARM AND RANCH from a friend and have noted with interest the recent political debates about unions, etc. Having spent 17 of my 24 years on a farm in the U.S.A. and the rest here, I might have a few interesting comments of my own.

Socialism is sometimes well meant —like a child being spoiled by his parents but kept under strict control at the same time. How often does such a child turn out to be a success?

Labor unions contribute towards socialism 100% which is actually refined communism. The more power a labor union gets, the more spoiled and dependent the people will become, and please note that once a "something for nothing" program becomes a law, it'll never become repealed. This is only human nature-regrettable! One extreme is just as bad as the other however. The only free hand-out I'd be in favor of would be free education for all who want it. . . .

There was a drouth here last year (unusual for Sweden) for example, with the result that some farmers had to sell cattle because of lack of feed—yet uncut hay existed in some fields. Farmers here do not seem to store up for a bad year—easier to depend on the government handout!

A small, efficient government performing only the necessary minimum of duties (in emergencies, catastrophies, etc.) and leaving everything else to free enterprise, is the ideal for a progressive country. Everyone who works deserves a good wage, but not to be pampered (if it can be called that), which is the present trend. A balance among living things in nature is kept through starvation, only the strongest surviving the hardships, etc. This is un-human for man, but the eventual result in the future unless he proves himself more wise than only looking for immediate so-called security.
Torsten Gustafson
Malilla-Kyrkby, Sweden

(Continued on next page)

How to Save Money on Fertilizer...

To produce the yields you want each crop you grow requires definite amounts of certain plant foods. Your soil contains some of these. The most economical and most profitable fertilizer for you is the fertilizer that makes up the difference between what your soil can supply and what your crop must have. That's why it pays to use V-C Fertilizers ***precision-made*** for your particular crops and soils. You avoid waste because you get more crop-producing power per dollar you invest. You get bigger yields at the lowest possible cost. This means more money in your pocket.

See Your V-C® Dealer!

Precision-made in a V-C factory near your farm, your V-C Fertilizers are backed by all the resources of a great national organization. Manufacturing experience, technical skill, scientific research and practical farm know-how are constantly working to bring you more profits from ***precision-made*** V-C Fertilizers. See your V-C dealer today.

The best grade PRECISION-MADE for YOUR crop

V-C Fertilizers are ***precision-made*** in the analyses recommended by your Experiment Station or Extension Service.

V-C Fertilizers are ***precision-made*** in combinations of plant foods to meet needs indicated by soil tests.

V-C Fertilizers are ***precision-made*** to include major plant foods *plus* secondary plant foods and minor elements.

Famous for crop-producing power and easy-drilling quality since 1895!

DEKALB WINS

Three Year Average

in California Random Sample Test!

The DeKalb Entry in the 7th California Official Random Sample Egg Laying Contest

HIGHEST 3 YEAR AVERAGE, SEVENTH CALIFORNIA OFFICIAL RANDOM SAMPLE EGG LAYING TEST. THE DEKALB ENTRY AVERAGED 254 EGGS PER PULLET (BASED ON THE NUMBER OF PULLETS AT ONE WEEK OF AGE) IN THE LAST 3 TEST YEARS. AVERAGE INCOME OVER FEED COST FOR THIS PERIOD WAS $4.71.

YOUR DEKALB CHIX WILL BE HATCHED AND SERVICED BY:

Fairhope Feed & Hatchery, Inc., Fairhope, Ala.
Southland Hatchery, Collinsville, Ala.
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Brandenburg Hatchery, Dunedin, Fla.
Check-R-Board, Palatka, Fla.
Florida Hen Ranch, Ft. Lauderdale, Fla.
Rodriguez-Brandenburg Hatchery, Dunedin, Fla.
Henry F. Smith Farm & Hatchery, Hilliard, Fla.
Tri-States Hatcheries, Inc., Graceville, Fla.
McCants Poultry Farm & Hatchery, Butler, Ga.
Owens Hatchery, Dahlonega, Ga.
Hodgenville Hatchery, Hodgenville, Ky.
Justice Hatchery, Henderson, Ky.
Murray Hatchery, Murray, Ky.
Pierce & Williams, Hopkinsville, Ky.
Yeiser Hatchery, Winchester, Ky.
Meridan Hatcheries, Inc., Meridan, Miss.
Tate's Hatchery, Inc., Forest, Miss.
C & M Hatchery, Clinton, N. C.
Wilson Farm Supply, Albermarle, N. C.
Pee Dee Hatchery, Hartsville, S. C.
Columbia Hatchery, Columbia, S. C.
Craddock's Hatchery, Fairfax, S. C.
Pickens Red Farm, Pickens, S. C.
Cardinal Hatcheries, Memphis, Tenn.
Yeiser Hatcheries, Murfreesboro, Tenn.
Yeiser Hatcheries, Sevierville, Tenn.
Densmore Chick & Egg Farms, Inc., Roanoke, Va.
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Shenandoah Com'l Hatchery, Inc., Mauretown, Va.
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Herm Berry's Hatchery, Parkersburg, W. Va.

DEKALB AGRICULTURAL ASSOCIATION, INC., DEKALB, ILL.
Commercial Producers and Distributors of DeKalb Seed Corn, DeKalb Chix and DeKalb Hybrid Sorghum

DEKALB CHIX

IF YOU KEEP RECORDS ...YOU'LL KEEP DEKALB

Letters
(Continued)

• • • As debate coach in my high school, I feel that reprints of your December '55, January, and February '56 editorials on the farm problem would be invaluable. I would appreciate your mailing same.

If you have any other articles or material that would help us in the National High School Question on the farm policy we would certainly appreciate them.

Mrs. Harriette Turner Sulphur, La.

• • • Our entire family (6) enjoy your magazine. Mother, my sister, and I more than enjoy your home department. We vie for the clippings, and to be the first to use the good suggestions, recipes, etc., you publish. I'd say yours is a job well done, just keep up the good work!

Louise Boatman Okmulgee, Okla.

• • • I read "Straight Talk" the first thing and go on straight through the magazine. I have other magazines, but FARM AND RANCH is always what I look for. . . . Am I too late to get a few leaflets of "Open Letter to Ruthless Reuther?" . . . I want to send some to our lawmakers. . . .

Wm. J. Loyer Somerset, Tex.

• • • At last you have written an editorial which doesn't make we want to force you to eat your typewriter. Too many agencies—too many non-farmers. You should have called them Financial Farmers.

I didn't know that you disapproved of that Big British owned Plantation operation in Mississippi. I have been burned up by this operation and a number of others out on the Great Plains. Leasehold operations they are called. The land is rented, the machines operate on a lease contractural basis and the whole damn thing is a steal on the American people.

Picking ourselves up by the pants legs has to stop somewhere. In otherwords we can't buy it and store it. It has to be either thrown away or burned. I doubt if you ever have had the funny feeling I had when I stood in those storage places and looked at that cheese and butter. I was like the Pigmy who married the fat lady in the circus. Early the next morning he stood up in bed and came about to the level of her tummy. Rubbed his hands over it and said, "Acres and acres and all mine." That's the way that food piled up affected me. Tons and tons and all should be ours.

Dr. Waldo H. Jones
Myrtle Beach, S. C.

(Continued on page 26)

Light up a Lucky...

YOU'LL WARM UP FAST to a Lucky . . . and for an A-No. 1 reason. This one is all cigarette—packed every inch with fine, light, good-tasting tobacco that's TOASTED to taste even better. Have you tried a Lucky lately? Try one. Outdoors, indoors, it's the best-tasting cigarette you ever smoked.

Luckies Taste Better

CLEANER, FRESHER, SMOOTHER!

"IT'S TOASTED"
to taste better!

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COTTONCAST

By Gerald Dearing

UNLESS THERE IS LEGISLATION or a directive to prevent it, the trend of cotton prices in 1957 is upward. The upward tendency in prices may undo all the efforts that producers have made to regain and retain markets, but they seem certain to move ahead at the moment.

ACREAGE FOR 1957 will be about the same as in 1956 and the size of the crop per acre should be as great or greater, depending on the amount of irrigation brought into use and the usual weather factors.

THE OVERALL CROP, however, may be 2 million bales smaller than in 1956 because of the application of the Soil Bank. There seems no way of telling how much acreage the Soil Bank will take out of production, but the best guess, in the light of the other Soil Bank programs, is that farmers will take up all the funds available.

If the Soil Bank should take enough land out of production to decrease the yield by as much as 2 million bales, the harvest would be only 11 million bales. This, in itself, will be an inflationary factor.

THERE WILL BE EFFORTS MADE in the next Congress to do a little trading on this price support matter. This trading will seek to hold the price of cotton at the current levels in order to continue to meet the competition of synthetics. In return for giving up the potential price advance, which seems inevitable, the farmer would be given additional acreage in order to make his farm operation more efficient. The increased acreage, it is felt, would more than offset the price advantage the farmer is giving up.

THERE IS NO CERTAINTY that the support level can be maintained at 82½%. The terrific export demand -- which may cause the disappearance of 7 million bales of cotton this season -- must be considered in the formula for determining the support price level. USDA will be hard pressed to justify supports as low as they were in 1956. There is a distinct possibility that the best they can figure is 85 to 89% of parity.

ON TOP OF THIS, there is the gradual upswing of the parity. If the support level percentage remains at 82½% of parity, as it was in 1956, the upswing in parity will add at least a cent a pound to the loan value of cotton.

IT MAY SOUND SILLY to be paying farmers to curtail production through the Soil Bank and at the same time giving them additional acres through legislation. But that is the situation that develops in a legislated economy. No one foresaw, when the Soil Bank was authorized, that the export program would reduce supplies as rapidly as it has. Exports of 4 million bales were hoped for; exports of 5 million bales were set as a goal. There was no one who dared hope that exports would reach 7 million bales, as they undoubtedly will. Exports of 5 million bales, plus the effect of the Soil Bank, would have permitted the holding of prices in line with current conditions, but exports of 7 million bales, plus the Soil Bank, may send prices so much higher that the benefits will be less than the long-range penalty. This long-range penalty is the loss of markets.

FAILURE TO PLANT your cotton acreage allotments does a disservice to yourself and to your neighbors. Acreage allotments are based on plantings in previous years. When a state plants only 85 to 95% of its allotment, it is sacrificing acreage in future years. This acreage is gone forever.

It works this way: Allotments are based on a 5-year average of plantings. One hundred acres unplanted one year, therefore, cuts the state allotment 20 acres the next year and for every year that the reduction shows in the average.

When you come back into the program, you find that your state allotment is lower, your county allotment is lower and your individual allotment, based on plantings for 3 years, is considerably lower. Plant your allotment, or turn it back and make sure that someone in your county plants it. Don't destroy your future and your neighbor's future by doing nothing.

4 good reasons for putting new Champion Spark Plugs in all your farm engines

1. EASIER STARTING—Quicker, easier starts in any weather are yours when you replace worn plugs that have gone 10,000 miles or more with new 5-rib Champions. Tests show starts average 39% quicker. Saves battery wear and tear.

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Replace misfiring, gas-wasting plugs with new full-firing Champions for greater economy. Powerfire electrode delivers peak performance for full plug life.

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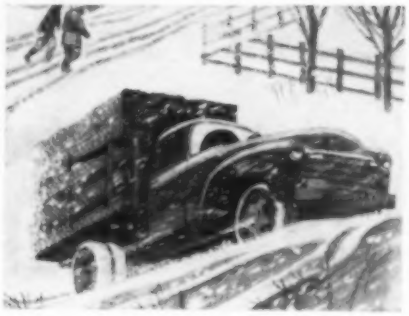
Misfiring plugs drip raw gas that dilutes and weakens protective engine oil. Install a set of new full-firing Champion Spark Plugs to help prevent costly engine repairs.



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Tests prove that replacing worn plugs with new Champions gives 9 out of 10 cars more horsepower instantly, delivers maximum power in all engines.

Are the engines that help lighten your work doing their best for you? Not if they are crippled by worn, misfiring spark plugs! Replacing old plugs with new 5-rib Champions can give you easier starting, greater gasoline economy, increased oil protection, and more useful horsepower in all your farm engines.

If a check shows worn or badly fouled plugs in any engine, replace them with a set of new Champion Spark Plugs. You'll get more help at lower cost when you do.

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*Trade-mark of Monsanto Chemical Company

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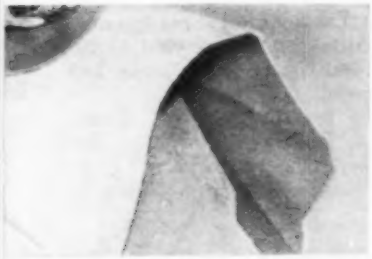

IE SPECIAL LINING of the Lion bag otects your fertilizer against caking. on Ammonium Nitrate is *guaranteed* flow freely—*not for just a year, but til used*—when you follow storage rections on the bag.

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How good ARE the Hybrid Sorghums?

By BOB NICHOLS

How Agronomists Rate Hybrids for the Southeast

KENTUCKY: Average hybrid yields 20 percent over open-pollinated grain sorghums; no specific recommendations for choice of hybrids, but open-headed strains preferred.—**J. F. Shane.**

MISSISSIPPI: Yields of hybrids up to 100 bu. per acre under ideal conditions in Delta; Texas hybrids 590, 610, 620, and 660 suggested for Delta, have also yielded well at State College (see text); hybrids yield 15 to 20 percent above open-pollinated.—**P. G. Hogg.**

GEORGIA: No recommendations for 1957, but hybrids looked good in 1956; Texas hybrids 610 and 620 show promise.—**W. H. Gurley.**

TENNESSEE: Hybrids show promise, but no recommendations for 1957. Yields up to 100 bu. reported on bottomland soil; open-headed hybrids look best.—**Several reports.**

NORTH CAROLINA: No recommendations, but hybrids do show promise. Suggest farmers make own trials of hybrids. Some Texas 650 and 660 seed produced; some DeKalb hybrids show open-headed characteristics (considered desirable).—**D. L. Thompson.**

AVAILABILITY of seed of the new hybrid grain sorghums for large scale planting in 1957—for the first time—looks like a real break for cash-crop farmers in the Southeast. And the new hybrid sorghums for grain look about as superior to the older, open-pollinated varieties as hybrid corn was to open-pollinated types. But not all of the problems of making the hybrid sorghums a first-class crop have been solved yet; 1957 will still be a tryout year.

That's the conclusion from the reports of state experiment stations and farmers who tested the grain hybrids all over the Southeast last summer. Most state Extension specialists, however, prefer to wait for the results of another year's tests before making recommendations.

100 Bushels Tops

So far, it appears that yields of as high as 100 bushels per acre, under better-than-average conditions, can be produced. That's the yield B. T. Overbey, Williamson County, Tennessee, reports from well-fertilized bottomland. The same land, he estimates, would average about 60 bushels of corn per acre in good years, but wouldn't do that well during dry summers.

Another Tennessean, Ernest Morgan, of McDonald, in East Tennessee, figures his per-acre yield at 3,291 pounds (about 59 bushels) from his hybrid plot. Under the same soil and weather conditions, his open-pollinated Martin milo figured out a yield of 2,862 pounds. But planting difficulties and poor spacing reduced Morgan's yield on the hybrid; he hind-guesses it would have made about 100 bushels with a better plant population.

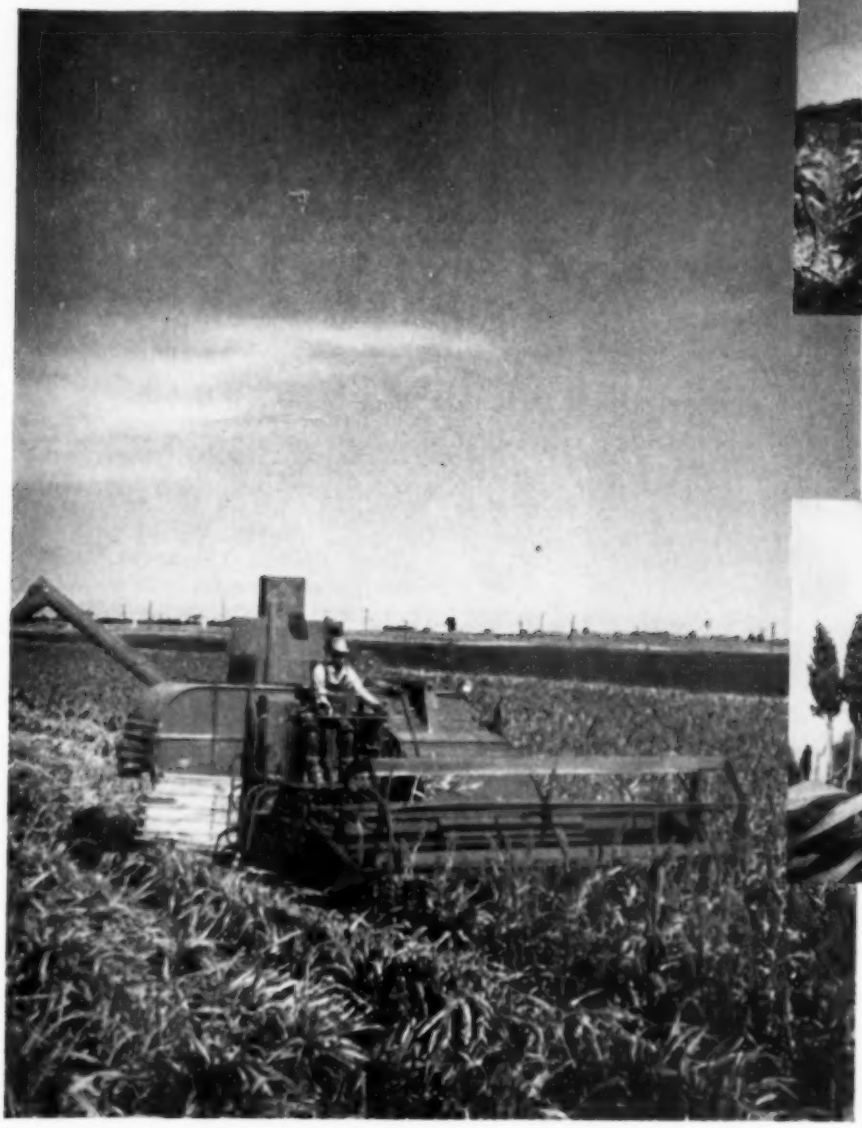
Plots at Mississippi's Delta Branch Experiment Station have yielded up to 100 bushels of the best hybrids. But researcher Dr. P. G. Hogg says that such yields are probably exceptional; 60 to 80 bushels is about what can be expected in the Delta.

As Good As Corn?

Compared with some of the top corn yields that have been reported, even 100 bushels of sorghum grain doesn't seem very high. Pound for pound, the feeding value of hybrids presently available isn't quite as high as corn. On *good* corn land, where tasseling-time drouth doesn't hit too often, corn is probably still a better bet as a high yielder.

Photos: Milligan, Nichols

This hybrid sorghum on upland soil in West Tenn. kept on growing despite drouth and heat, after corn had shriveled, but poor stand reduced total yields.



This unirrigated field of hybrid sorghum near Waxahachie, Texas, made about 2,000 lbs. per acre for Herman Eubanks last summer. Yields are usually higher. Note uniformity of height, important in combining, and sometimes lacking in hybrids.

In some areas, birds are a hazard to late sorghums. They helped themselves generously to this hybrid grown at the Middle Tennessee Experiment Station.

One problem you pretty much have to figure out for yourself is *which* hybrid sorghum to plant, if you decide on hybrids. In some states, about the only guide you have is the recommendation of the seed company and the experience of anybody in your area who's tried the hybrids.

Some of the new hybrids admittedly aren't perfect. Some of the compact-headed hybrids may not be as good in the higher-rainfall areas as they are in the dry Plains. Moisture, insects and birds (see photo above) may take a heavier toll in the compact-headed kinds than in the loose, open ones. Having the grain dry enough to combine and store just as soon as it's mature enough is especially important outside the Gulf Coast and Plains areas.

Except on very fertil· · highly fertilized soils, stalks of the better hybrids rarely lodge or break over, as corn does. But high yielding ability means heavier heads, and stalks of some of the hybrids are pretty slender. The weight of the head can make them break off, especially during the combining operations if there's a lot of variation in height of the stalks *(see photo above)*.

Variation in height of the stalks does occur more often among the new hybrids than among the older open-pollinated varieties. Since breeding of some of the hybrids isn't perfected yet—and since the process of hybridizing to produce the seed is complicated—there is room for error. Best way to be sure of uniformity of height and strong stalks—obviously important if you expect to get the grain with a combine—is to get one that's been *(Continued on page 27)*

By Bob Nichols

Feed handling is easy with these

SELF-UNLOADING WAGONS

These three Southern farmers threw away outdated scoops and forks

Photos: Nichols

WITH seasonal hired labor scarce in most places these days, there's a lot more use for back-saving ideas for handling grain and roughages. Three of the neatest no-scoop ideas we've seen for feed handling are shown on this page.

You can buy self-emptying silage and grain wagons, but there's a limited number of models on the market. For the kind of "automatic" feed or grain handling system that best suits your needs—or to save the expense of buying the complete factory-built implement—take a look at these examples of ingenuity. You'd be surprised what you can do with a running gear from an old car, a little lumber or sheet metal and an inexpensive custom unit to do the actual lifting, and take the backache out of feed handling.

H. C. Emmick, Lewisport, Ky., built this trailer, operated by tractor's power take-off, to haul and unload feed for hogs. Emmick's mixer blows the ground feed into the trailer, driver Jack Gabbert drives to hog self-feeders in pasture, fills each in about 3 minutes.

Readwood Farm, Franklin, Tenn., hauls silage and fills this trench silo with practically no labor. Portable gasoline engine is slipped into position on ratcheting mechanism at side, tightening cables which pull sliding false end-gate from front of wagon towards back. As silage is pulled out of wagon, it's driven slowly forward to spread silage along the length of the trench.

This oversize, self-emptying wagon makes grain handling easy for J. D. Freeman, Robertson Co., Tenn. Transporting auger in bottom is made by welding two 10-foot augers together. Elevating auger at end is a factory-built unit, which Freeman added to the home-built trailer.

Cotton and soybean king, too!

J. W. PRUETT wasn't satisfied with just record cotton yields on his cotton plantation near Inverness, Mississippi. He set his sights on record cotton and soybean yields in 1956. And look what happened—

- He harvested 72.3 bushels of soybeans an acre on 10.5 measured acres last fall—enough to make him unofficial *soybean champion of the nation*, probably of the world!
- He harvested just 11 pounds short of 51 bales of cotton on 10 acres, also measured, and also an all-time record —even for Pruett, who's broken one cotton production record after another. Apparently, it makes him *unofficial world's champion cotton producer*, too!
- Instead of irrigating beans "whenever we got through with cotton," Pruett watered the 10.5 acres of beans whenever and as much as needed. In two applications the "trial" beans got 5 to 6 inches of water, to soak the ground down to about 30 inches. The rest of his irrigated soybeans—about 250 acres—got only the usual 3.5 to 4 inches application, and less often.

"Soybeans have always been a stepchild to cotton here on our plantation," Pruett explains. "This past season I decided to see what they would do with equal treatment."

In past years, cotton got all the best land. Soybeans got the leftover acreage. This year, he put 10.5 acres of his best land — recently formed and leveled—into soybeans. And it repaid him handsomely.

- Champion Pruett's five-bale cotton yield resulted from four irrigations, 18 complete or partial poisonings, 200 pounds of actual nitrogen to the acre, five cultivations and two rotary hoeings. Half the nitrogen was bedded in before planting, half applied as a sidedressing, while the bolls were at heavy square stage. An adjoining cotton plot, which got only 150 pounds of nitrogen, still made 4.25 bales to the acre. Pruett's soil tests high in phosphorus and potash.

The cotton got the first of its four waterings, of 3 to 5 inches each, when there were three or four marble-size bolls to a stalk. Pruett is a believer in watering according to .he appearance of the plant. He decides by the color of the cotton leaves when it's time to irrigate, and tries to maintain a yellowish-green color of the leaves.

Apparently, Pruett can now hold the title of soybean king as well as cotton king! —*Robert Everett*

Here's an easy way to promote hog health and weight gains at lower cost!

AUROVIM containing wonder-working AUREOMYCIN Chlortetracycline, important vitamins and mineral powder given continuously from weaning to market age steps up growth rate 10 to 30%!

And AUROVIM protects against enteritis (scours, vibrio dysentery, salmonellosis, necro or necrotic enteritis), baby pig diarrhea, pneumonia and anemia due to iron deficiency.

All this means:

- Shorter feeding time.
- Less feed required per 100 pounds gain.
- Earlier marketing—better "bloom".
- Higher gross value per hundred weight.
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Easy to use? Sick pigs will usually drink when they won't eat. Just mix AUROVIM in the water, milk or slop. Pigs go back on feed fast.

Get your supply of AUROVIM today from your veterinarian, druggist or feed dealer. For free literature, write to American Cyanamid Company, Animal Health Department, 30 Rockefeller Plaza, New York 20, N. Y.

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Livestock Letter .....the Latest First

The More Nitrogen a Pasture Has, the more cows go for it. A Ga. dairy husbandman and an agronomist, J. C. Johnson and G. Burton, proved it with plots of Coastal Bermuda at Ga. Exp. Sta. at Tifton. Dairy cows ate 21% of Bermuda that wasn't fertilized, 49% of the grass fertilized with 600 lbs. of nitrogen and 56% of it when fertilized with 1,500 lbs. Naturally, the highly fertilized plots also produced the most grass.

Whipworms, a troublesome parasite of hogs in some areas, don't give up just because you rotate hog pastures. USDA's Ag Research Center at Beltsville, Md., found that once soil is heavily infested with worms and their eggs, eggs can survive as long as 6 yrs. after hogs are removed. Worms reinfested pigs within 8 wks. after they were turned on the pastures untouched by hogs for 6 yrs.

After Jan. 1, all interstate movement of cattle (except of steers, young calves and spayed heifers) comes under federal control. It's move to bring brucellosis under control. You can get details from Animal Disease Eradication Branch of Ag. Research Serv. of USDA, Washington. Rules amount to a modified quarantine to strengthen brucellosis-curbing rules already in effect, back up state regulations already strict in some states.

Use Lime on Your Milk Parlor floor? Try using phosphate fertilizer instead, suggests Mich. Ext. Serv. They've found it gives better footing, cuts down smell, makes manure worth more.

An Arkansas Ranch has paid $1,000 for an unregistered, but progeny tested, Hereford bull -- perhaps the highest price ever paid for an unregistered bull. C. H. Codding & Sons, of Okla., were the sellers.

Watch Out for Miscalculations when you sell stocker and feeder cattle on an estimated-shrinkage basis, warn USDA experts. You can figure yourself out of more profit than you realize, when you sell at the ranch or farm, by not figuring shrinkage as shrewdly as professional buyers do. Casual estimates don't mean much; surest way to be able to guess is to keep records on shrinkage losses after each sale. A lower price per lb. won't hurt you as much as allowing the buyer to subtract too much for shrinkage.

Market Forecast For '57

Hog Price Outlook is good. There'll be fewer pigs in '57, and thus less pork through early '58. That's fortunate, because pork isn't holding its own too well at the meat counters. Lowered production means some gradual improvement in pork prices into next year. But don't look for prices at 20 cents or above. There will still be a lot of hogs.

Beef Outlook is better than grim early '56, but not much. There'll be less heavy beef but more lightweight, lower-grade beef going onto market. Increase in cattle population has about stopped, and beef consumption is still rising, but effect won't be strongly felt in '57. Fat cattle prices will be slightly to comfortably above '56, and feeding profits are expected to be slightly higher. But feeder cattle won't show much improvement over '56.

Lamb prices should be a little better in early part of year, but aren't likely to be in late '57. Sheep population is shifting from West to East, but there's no increase in total number of sheep yet. Wool prices will still average well below the incentive payment level of 62 cents, making shrewd marketing still imperative.

Milk prices should stay about where they've been, during first part of year, then strengthening to make the year's average gross income from milk a little higher than last year. But chances are that increased costs will eat up the gain. Don't expect much seasonal variation in net income from last year, unless dairy support program should be passed by Congress.

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● C. F. Chambers sets the sturdy thermostat while Mrs. Chambers looks on. Note thermostat is enclosed in hardware cloth, as protection against chicks.

SLAB BROODING...

...it's SENSATIONAL!

That's the way some poultrymen describe the newest thing in brooding

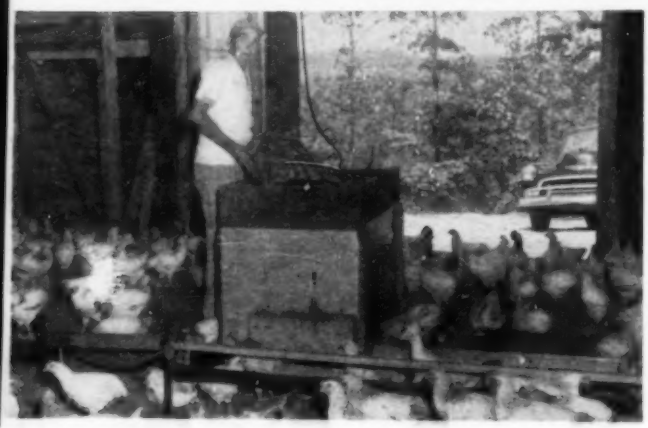
By Walter Baker, Jr.

● A general view of the Chambers poultry house showing the 12 6'x8', 600-chick-capacity radiant floor brooders. If power is interrupted, slabs retain much of heat, losing only about one degree per hour.

WHEN you first step inside C. F. Chambers' brooder houses on a chilly day, you'd think it's too cold for the chicks. But the chicks are warm and healthy on the radiant-heated floors of the cold rooms.

Chambers was somewhat concerned, at first, with the possible effect of cold room brooding in the wintertime, but experience has taught him that the slabs have plenty of brooding area to take care of the chicks even in the coldest weather. With cold room brooding, chicks are able to find the temperature that suits them best, thus they seem to feather and gain weight faster. The feed/meat conversion factor has pleased him greatly.

According to Chambers, the radiant floor method of brooding has a number of other advantages. It is completely free from fire hazard. Heat is given off by a number of electric heating cables imbedded in concrete poured over a well-insulated base. In case of an interruption in the electric current the concrete slab will retain much of the heat that's in it, losing only about 1 degree per hour. The cable is laid on carefully calculated spacings, resulting in complete uniformity of heat and a sturdy thermostat accurately controls the temperature of the brooder to within 2 degrees of the setting. Because the heat is in the floor of the brooder, droppings *(Continued on page 33)*



● Chambers empties a bag of feed in one of the two automatic poultry feeders serving his three houses. Concrete slabs may be cleaned merely by sweeping dry matter with a broom.

LAW ON THE FARM

Plane must pay for turkey panic

CROPS on a Castro County, Texas, ranch were sprayed by a low flying airplane. In the conduct of this operation the plane, at the end of the row it was spraying, pulled up for the turn with a roar from the increased power. On an adjoining ranch were several acres of pens of turkeys.

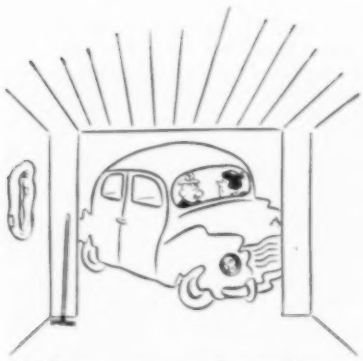
The noise brought panic and destruction to the birds. Some of them were dead, others bruised and lacerated by flying in blind fear into troughs and fences.

The owners of the ranch brought suit against the airplane operator. At the trial it appeared that the operator of the plane had flown low and could readily have seen the fright-stricken birds bruising and destroying themselves.

A lower court awarded a judgment in favor of the turkey ranch owner, for $524.96. The airplane owner appealed. In its affirmance of that judgment, the Texas court said of the law governing the liability for damages under circumstances of this character:

"Where a physical injury results from a fright or other mental shock, caused by the wrongful act or omission of another, the injured party is entitled to recover as damages, provided the act or omission is a proximate cause of the injury and the injury ought, in the light of all the circumstances, to have been foreseen as a natural and probable consequence." —*A. W. Gray*

*Miller v. Maples, 278 S. W. 2d 385, Texas.



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R. J. Reynolds Tobacco Co., Winston-Salem, North Carolina

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FARMING AHEAD

THE LATEST FIRST—FOR THE SOUTHEAST

Witchweed, a Potentially Serious parasitic weed has been discovered in cornfields in the Carolinas. Watch out for it next year. It destroys corn and other grass-like crops by attacking the roots. If it spreads, it could be serious, unless adequate control measures are found.

There's a Change in regulations for figuring self-employment ("Social Security") tax for farm owners this year, that applies to income from land you've rented or share-cropped out. Before now, you couldn't report the rent or crop-share income you collected as part of your income for accumulating Social Security benefits. Now, you can -- if you "participate materially" in the management, etc., of the land you've rented or share-cropped out. Definition of "material participation" is vague; ask your Social Security or Internal Revenue office about it if in doubt.

Wheat picture is improving. About 12 million acres will go into Soil Bank, reducing 1957 crop by at least 200 million bushels. Poor winter moisture conditions in winter wheat belt, plus improvement in exports, will reduce the crop and carryover still further. Market prices can be expected to hover a little above support levels.

Who's Got a Corn Row longer than H. C. Faulk, of Sanford, N. C.? His is 35 miles long. He planted his 15-acre field in a single row, round and round, from outside to inside. Saves a lot of work, he says.

You'll Have to Wait Until Harvest time to collect payment certificates for Acreage Reserve acres in '57. That means, for example, that you'll be able to collect for wheat land in Acreage Reserve sometime after June 1 only if you didn't have row crop land under allotment controls.

That's because ASC wouldn't be able to check and verify your compliance with acreage allotment provisions on the other crops that soon. And you have to comply on all crops before you can get paid on one.

Rule on collecting for certificates in CCC-owned grain still holds. You can't exchange certificate for grain until after the harvest season for that grain. But you'll still be able to exchange the certificate for cash immediately.

All Three Kinds of Nematodes -- root knot, meadow and sting -- have begun hitting peanuts for the first time, in N. C. Rotation, or fumigation with EDB or D-D, gets 'em, though.

Price Forecast For '57

Corn Price Outlook depends a lot on outcome of Dec. 11 referendum, not yet ready to analyze, and on what Congress will do when it reconvenes. Almost certain: Support in non-commercial corn counties and for non-compliance crops of corn will be about same as '56, until and unless Congress passes new corn legislation, which it will probably try to do. That's assuming farmers reject base acreage program in Dec. 11 referendum.

Eggs will take the first few months of '57 to recover from the '56 low. Prices until late spring may remain a little lower than the same period of last year. After that, they'll be about same as '56 prices.

Here's the Fruit Production Outlook for '57, if "average" weather prevails: More of all citrus fruits; more apples, but fewer pears, plums and peaches; big increase in sweet cherries, strawberries and cranberries; no change in grape crop.

Soybeans may hang a little above support level, with less after-season strengthening this year than usual. Anticipated oversupply apparently didn't develop from '56 crop, but may hit with '57 crop.

Grain Sorghum crop in '57 promises to be big and cheap, making it a far better bet for feeding than for selling, despite some price improvement expected early in '57.

Barley, Oats and Rye supports will be lower than '56, but market demand and market prices will be a little stronger.

Broiler prices can't go any way but up, and smaller chick placements in late '56 will help reduce supply and give prices a chance to rise. But total broiler supply in '57 is still expected to be 10% over '56. Prices will still be low, but not as low as dismal '56.

(For more details, write Farming Ahead Editor)

IN OREGON, Darrell Perry, lineman, helps bring some 52 miles of telephone line into Powder River Valley. This $50,000 project connected 56 ranch families with the world and helped them overcome fire, grazing and water problems.

IN KANSAS, Mrs. Dorothy Veach, operator in Abilene, helps serve 200 rural customers each day. Her home is a 240-acre farm. Because of her background, she understands farm problems. "That's why I always try to be extra helpful on rural calls," she says.

BEST TELEPHONE CROP IN TEN YEARS!

More telephones were added in rural areas during 1956 than any year in the past decade. Across the land, thousands of telephone men and women worked together to bring you more and better service.

These people are typical of those in the telephone office in your town . . . and those out on the lines and in our laboratories. They work toward a common goal—more and better rural service. During the past year this Bell System team brought telephone service to about 350,000 customers and improved service for hundreds and thousands more. Truly they are working together to bring people together.

We'll continue that job in the years to come.

Working together to bring people together

BELL TELEPHONE SYSTEM

IN ARIZONA, Cecil J. Smith, right, manager at Willcox, spends a good deal of time out in the fields talking to farmers and cattlemen. From such conversations came telephone service to farmers like J. J. McAllister, left, who lives 14 miles from town.

Tree Talk

by

Will Rusch

Almost everywhere I go these days, talk seems to turn to the Soil Bank program and what it means to the farmer who's thinking of planting trees. In fact, I can't remember any federal act in recent years that's aroused more genuine interest or speculation.

In a nutshell, this program is designed to turn marginal and excess cropland back to trees and meadows as a long range conservation measure. Here's what it provides:

1. Cost sharing assistance to farmers planting trees or grasslands.
2. Annual payments on the land put under the program.

Government officials estimate the federal share will be about 80% of the cost of converting cropland to trees. The annual payments will be based on the value of the land, its productivity, even the prevailing rental rates. The national average will be about $10 per acre.

This program is proving so popular that, for the present, there may be a shortage of forest tree seedlings caused by the heavy demand. However, commercial as well as state and federal nurseries are going all-out to increase the supply, so the planting program should be in high gear before very long.

If you're interested in finding out more specific information on this program, it will pay you to visit your county Agricultural Stabilization and Conservation Committee.

Well, the big McCulloch Saw-Draw is sure stirring up lots of excitement – and no wonder. With 150 brand new McCulloch D-44 direct-drive saws being given away *absolutely free*, you can't blame folks for wanting to get into the act.

Headquarters for the Saw-Draw is your local McCulloch dealer's store. Even if you've already entered the Saw-Draw once or twice, you can do it again and still be eligible to win a light, powerful D-44 – the only direct-drive chain saw that cuts with a light touch!

And, if you should buy a McCulloch saw now, and are later declared a winner, you get back TRIPLE the list price instead of the D-44. You better hurry, though. The Saw-Draw closes February 8.

And while I'm giving things away, step right up and get your free copy of *How To Use A Power Chain Saw*, a booklet we've just printed that's crammed with handy hints on tending and cutting your timber. Just send a postcard to me, Will Rusch, McCulloch Tree Topics Bureau, 6101 W. Century Blvd., Los Angeles 45, Calif. I'll send it to you promptly.

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WASHINGTON WIRE

By BILL KENNEDY
and the Editorial Staff

For Tobacco: A Heap o' Trouble

Washington, D. C.—The Administration and USDA are carefully staying out of the current tobacco hubbub. Several tobacco state farm bureaus have called for an overhaul of the flue-cured and burley control programs, and the House Agriculture Committee has begun hearings to consider what legislative or administrative modernizing the programs need.

▶ One of the leading and most persistent proposals is for an acreage-poundage control program. It would limit the number of pounds of tobacco eligible for support, as well as the number of acres. So far, there's no strong support for it or for any of the other proposed modifications. And, admittedly, it would be a tough one to administer.

But flue-cured tobacco is in trouble, that's for sure. And burley isn't much better off, USDA admits. A 20 percent cut in flue-cured acreage has been ordered, to nobody's surprise. But acreage cuts don't seem to help much; flue-cured growers keep producing about the same amount of leaf on a reduced acreage as they did before cuts. They probably could even with the proposed acreage-spacing control method, recommended by Virginia Farmers Union and others.

▶ The acreage-poundage control idea, if it gains strength, could be important. It's apparently the only one that's sure to cut production. And it could be the pattern for other crops. Poundage controls for tobacco could lead the way to poundage controls for cotton and grain, too, if it could be made to work for tobacco.

▶ Tobacco's trouble isn't just too much tobacco, however—it's too much of the wrong kinds. USDA admits the support program is largely to blame for encouraging production of too much pale, slick tobacco and more top-grade leaf than the market wants. Revisions in the program, to penalize neutral tobacco more and favor top-grade tobacco less—and get the lower grades better in line with demand—are in the works. But nobody expects they'll be much of a solution to the dilemma homogenization and filter-tips have brought to tobacco.

Cotton Decontrols? Hardly

▶ USDA officials can't cotton to Senator Eastland's recent prediction that acreage allotments for cotton might be lifted by 1959. The export sales program is proving highly effective, it's true. And the smaller 1956 crop means the carryover into 1957 marketing year will be encouragingly smaller. Acreage Reserve payments per acre will be more attractive, although they'll be at the same rate per pound.

But Soil Bank can't be expected to lower production in any of the next three years by more than about a million and a half bales. Otherwise, total acreage will be about the same as in '56. The export program, if it's continued full steam this year and the next (which it probably won't be) can't take off more than seven million bales a year—probably not that much. Net result: Conceivably, if every one of the production-reducing devices goes full tilt every year, acreage controls *could* be lifted by 1960, not 1959. Then it'd be Katy bar the door, say USDA officials, because cotton production would probably double immediately, and the surpluses would be on again. Most likely: Some relaxation, but no lifting, of controls if everything goes well in '57-'58. (See COTTONCAST, page 10.)

The latest first for the Southeast

LATE REPORT

Where there's smoke there's ire

THE tobacco-emergency meeting of the House Agriculture Committee in Washington had one result: announcement that discount price support rates for undesirable grades would be made in time to warn growers. The committee will meet again in January to consider these proposals for tobacco:

▶ **Poundage controls plus acreage controls.** Most drastic and complicated of the surplus-reducing proposals, it was proposed for both burley and flue-cured. State Bureaus of Kentucky, Georgia and Virginia endorsed it. When the House Committee reconvenes, it'll probably view this one favorably.

▶ **Spacing controls plus acreage controls.** Several suggested ways to apply this method have come out of the flue-cured counties. The Virginia Farmers Union recommendation is for four-foot rows and 24-inch hill spacing as minimums—to keep down number of plants per acre. But other Virginians and North Carolinians have protested that modern equipment doesn't take well to 48-inch rows, and it wouldn't reduce production much anyway. A similar proposal is simply to set a limit on the number of plants per acre.

▶ **Higher Soil Bank payment rates.** USDA doesn't want to raise rates above recently-announced 18 cents for flue-cured and burley (they're 13 cents for fire-cured and 12 cents for dark air-cured and Va. sun-cured); the House Committee probably will ask Congress to do it if USDA doesn't.

▶ **Modify grading standards and schedules of price supports** to penalize production of unwanted grades. USDA was due to take some action on this anyway; the House Committee may have sped it up. (Announcement of new schedules was expected about Dec. 15.)

▶ **Accelerated export program for tobacco.** USDA said exports would be down in '57; the Committee wanted to make them go up.

New Acreage Reserve Provisions

USDA has announced Acreage Reserve base rates for '57 of 15 cents (per lb.) for cotton, 90 cents a bushel for corn and $2.25 per cwt. for rice. Peanuts are not eligible in '57.

An important new provision for '57 is the 10 percent bonus if your Acreage Reserve acres are the same ones you used in '56.

40% INCREASE IN CORN YIELD! Anthony Bittel of Owensboro, Ky., shows the kind of corn he grew after plowing down Spencer "Mr. N" Ammonium Nitrate Fertilizer.

Nitrogen Plow-Down Boosts His Corn Yield to 100 Bushel Average

Anthony Bittel switches to Spencer "Mr. N" Ammonium Nitrate, Boosts Yield 30 to 40 Bushels Per Acre.

WHEN corn fires before it gets to roasting-ear size, you know you're in for a pretty severe cut in corn yield.

When that happened on Anthony Bittel's farm, he figured the cause was a shortage of Nitrogen in his soil.

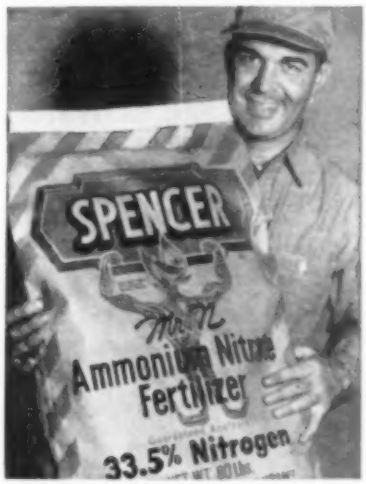
He had been applying phosphate and potash to his legumes, depending on the legumes to release needed Nitrogen. He had also been applying 300 lbs. of 4-16-16 in the row at planting. Yields had averaged sixty to seventy bushels per acre.

This year, Mr. Bittel used no legumes. Instead, he plowed down 240 lbs. of Spencer "Mr. N" Ammonium Nitrate Fertilizer before planting. His yield nearly doubled, averaging 100 bushels per acre!

Since growing conditions last year were much the same as this year, Bittel will tell you he believes the plow-down of Spencer "Mr. N" produced the big difference in extra yield.

Like other corn growers, Bittel knows he can expect "Mr. N" to pay as much as three to five dollars in extra yield for every dollar invested. Because Spencer "Mr. N" is full 33.5% Nitrogen, "Mr. N" supplies more Nitrogen per dollar than any other Nitrogen source. He also likes the way "Mr. N" is made in round, uniform prills that won't cake and won't clog the spreader.

Why don't you, too, go after those profitable extra bushels? Give your corn the Nitrogen it needs, all through the growing season, by plowing down Spencer "Mr. N" Ammonium Nitrate Fertilizer *now*. See your dealer now.



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Letters
(Continued)

• • • United Nations is the Trojan Horse of our Beloved Country. . . . Seemingly those placed in authority have closed their eyes and ears to the suffering, prayers and tears behind the Iron Curtain which should cause every redblooded American to insist on doing something about it, and continue doing until the last vestige of "Red" is abolished from the earth.

. . . America should demand that without waste of time we get out of the U. N. and then, with less waste of time, kick the U. N. out of the U. S. I would suggest Moscow as a new location for the U. N.

Wesley Forester *Arnett, Okla.*

P. S.: We can't get along without FARM AND RANCH.

• • • It's the best I have ever read (December) about this Ungodly, overrated organization.

E. T. Waters *Lawrenceburg, Tenn.*

• • • This is the worst of your many bad editorials . . . completely without foundation in fact or sound reasoning.

Jay Naman *Valley Mills, Tex.*

• • • Your editorials get better all the time. The one in the December issue just couldn't be beat. Keep up the good work.

I wonder if you have reprints of it.

Mrs. A. O. Kilgo *Logan, Ala.*

• • • It is full of truth and facts (December). If there ever was a communist horn-blowing organization the U. N. is. It sure makes a person wonder whether our representatives we had at San Francisco when that free world sell-out organization was spawned were all pinkos or dyed in the wool commies, or just a bunch of imbeciles.

. . . All good Americans are with you.

Otto Pizilas *Umbarger, Tex.*

• • • I agree with you that your February '56 editorial had every little thing as far as long range planning for us farmers is concerned. But . . . Adlai and Estes could have beaten anything Ike and Ezra Benson have to offer on the farm crisis.

If some of our marketing specialists and research men could develop a big market for sasafras tea and wild onions, I believe Benson would be highly pleased, and so would we!

Hugh Jenkins *Whittier, N. C.*

Hybrid Sorghums

(Continued)

tried in your area, or under similar conditions. However, seed of some of the hybrids will be scarce—some suppliers sold out their seed of the 1956 crop before the end of the year.

Better hybrids than (Texas hybrids) now available are needed, say Miss. Experiment Station's N. C. Merwine, C. L. Blount and P. G. Hogg. Their reason is that the present hybrids have a rather compact head, often leading to molds, insect buildup and harvesting difficulties. In Mississippi, as in much of the Southeast, you'll be ahead to harvest sorghums before the grain is fully dry. Then artifically dry it down to the 12 percent moisture level necessary for safe storage. It's one way to keep ahead of the birds, too.

A new hybrid type on the way—Mississippi's Experimental 1 hybrid—and some new yellow endosperm hybrids still being developed, promise to offset some of the disadvantages of presently available hybrids. However, none of them will be available for at least another year, and the Experimental 1 hybrid still shows some tendency to lodge and lack of uniformity—also a disadvantage of some of the other hybrids. The yellow endosperm hybrids—when they become available—promise to have the same feeding value as corn.

The well-known, open-pollinated milos, like Plainsman and Martin, are still good bets for the Southeast, despite some promising advantages for the hybrids as they're developed. The open-pollinated varieties, too, have definite appeal for the Southeast: They're drouth and heat-resistant—able to survive dry spells far better than corn, although they actually require about as much total moisture as corn during a season.

Wide row, narrow row or standard row width for crops? Set it any way you want it with this independent, self-driven unit for John Deere planters. Just clamp onto tool bar of front or rear-mounted planters.

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From stakes and pick-ups to heavy-duty 4-wheel-drive models, you can count on today's new low-priced V-8 Dodge *Power Giants* to give you more truck per dollar, to haul bigger farm loads with greater ease.

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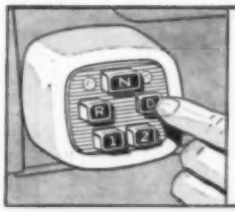

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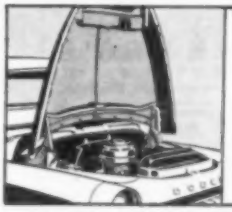

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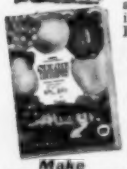

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Belsaw Implement Co. 407TS FIELD BLDG., KANSAS CITY 11, MO.

They bulk-haul their own milk

By Norris Jackson

The 4,000-pound capacity stainless steel tank mounted on a 1½-ton truck chassis remains in a shaded pit loading dock adjacent to the milking barn while being filled.

IF YOU are a dairyman, it's not likely that you'll see places to save money in big chunks. But it is possible for some dairymen. L. P. Duvall and Sons have found a way to realize an extra $1,500 a year income by transporting their own fluid milk production to nearby Denton, Texas.

These dairymen believe others with a milking string of 90 cows or more can do what they're doing if they live near their processing plant. Forty cents per hundredweight for hauling cuts deeply into profits. That's especially true with operating cost less than 10 cents a mile for the 28-mile round-trip the Duvalls make from their farm near Lewisville.

The Duvalls started transporting their own milk in 1953. They have a 4,000-pound capacity stainless steel thermos tank mounted on a 1½-ton truck chassis. The unit is large enough to handle two days' production from their 90 cows. The truck remains in a pit loading dock adjacent to the milking barn when being filled. Milk flows through a cooling system directly into the tank from the milking parlor and is delivered every other morning to the processing plant. The first part of the load flows into the thermos tank in the evening. This plan takes advantage of cool nights before the second milking goes into the tank.

Temperatures in the tank change very little. The direct expansion type aerator and cooler cools the milk to 32-34 degrees before going into the tank. It then increases to about 38 degrees when milk is delivered. The Duvalls claim that a lot of milk cools the tank quicker and keeps it cool longer than smaller amounts.

The tank is cleaned, rinsed and sterilized at the point of delivery as a service by the processing plant.

If You Ask Us...

Our garden is infested with black ants and some kind of blight or lice. My neighbors tell me you can not have turnip greens for the lice.
Mrs. R. H. P., Sylacauga, Ala.

In most cases when you find ants on vegetable plants, this is a good indication that the plants are infested with aphids or lice. These sucking insects secrete a kind of honeydew which attracts the ants. As a usual rule, the ants themselves do very little damage to plants; and when the aphids are controlled, you will not find the ants on the plants. The aphids, or plant lice, can usually be controlled by spraying when the temperature is above 70° with nicotine sulphate at the rate of one to two teaspoonfuls to a gallon of soapy water. Another new material which is widely used by commercial growers is malathion. This is used at the rate of two teaspoonfuls to a gallon of water.

How can I keep my white onions from turning green? I pull up my onions, cut off blades leaving about 4 inches, then put onions on a shelf in a level shady place with roots up so that they can drain and cure. My onions usually keep nicely, but lose their color.
Mrs. S. Z. G., Blytheville, Ark.

Your white onions have kept fairly well except that they have turned green after being in storage. This may have been caused by leaving the onions exposed too long in the sun before you put them in your shady storage place. This is the usual cause of greening on onions.

We have several apple trees which I believe have the blight. The leaves are small and brown and there are few apples. What kind of treatment would you recommend?
Ben S., White Pine, Tenn.

The disease known as fire blight is probably responsible for the damage. This disease affects most varieties of apples and pears and spreads mainly during the blooming season by insects such as bees particularly during rainy seasons. The new antibiotic materials such as Streptomycin and Terramycin have recently shown excellent results in controlling fire blight.

HERE'S fast, ground-covering capacity . . . knife-like cutting . . . deep penetration . . . with the new No. 109 8½-foot disc harrow that works in conjunction with the TRACTION BOOSTER system of WD and WD-45 Tractors. Adjustable, so that every blade does its full share of the work, this modern tractor-mounted harrow rolls on factory-sealed BAL-PAK bearings that require no daily greasing.

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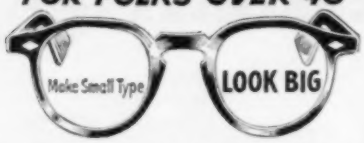

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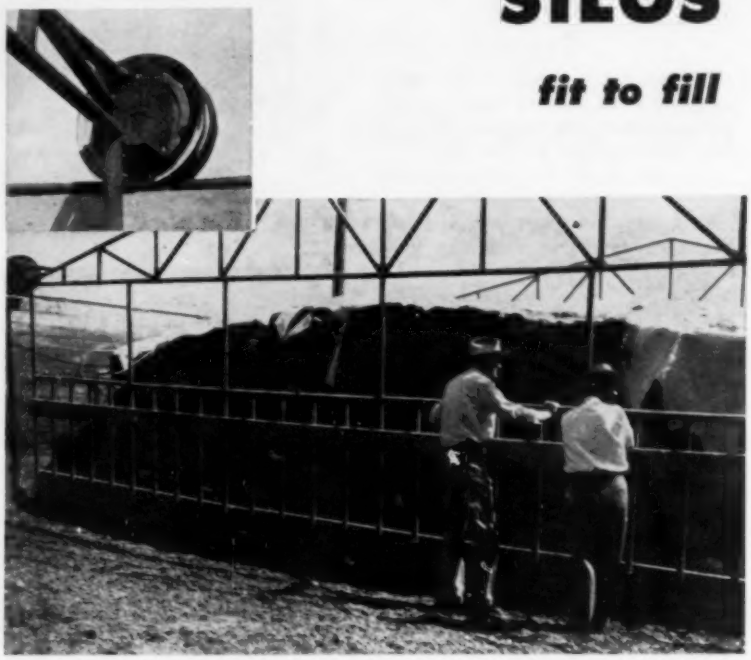

Above: **El Rancho Milling Co., Clovis, N. Mex., saves labor in feeding silage with this two-way self-feeder. Alvy Smith, El Rancho sales manager, is showing it to County Agent Ben Fritz, at left. Feeder gates are hung from frame mounted on two farm implement wheel rims (small photo).** ***Photos: N. Mex. Ag. Ext. Serv.***

At right: **This upright wooden silo cost H. R. Jernigan, Robertson Co., Tenn., about $100. It's filled by blower, and is relined with Sisalkraft paper each season.**

La. Exp. Sta. built this bunker silo of untreated timbers and treated poles, lining inside (on side at far left in photo) with plywood. It withstands corrosion, doesn't have to be replaced like some materials.

Slab Brooding

(Continued from page 20)

are quickly dried, giving much drier and healthier environment for the chicks. Because of this factor, slabs may be cleaned merely by sweeping the dry matter with a broom.

One of the primary advantages of the smaller sized unit Chambers uses (6′ x 8′) is the fact that the hovers are easier to handle. They may be quickly raised and stored when not in use, giving chicks a free run of the house. According to Chambers, this in itself makes the brooders worthwhile, from an economical standpoint, because of the increased number of chicks that can be brooded. The tops of the hovers are corrugated aluminum roofing which not only enable tops in ventilation but also give a good reflection value so that the heat is held within the brooding space.

Chambers installed his first units—three 1,250-capacity units measuring 8′ x 12′, plus one 600-chick-capacity unit—6′ x 8′ in one broiler house. A mixture of Zonolite and concrete formed an insulating base for each of the brooders. Electric cable was laid uniformly over the mixture and topped with 1½ inches of sand and cement. For the two winter batches of chicks that followed, brooding costs averaged slightly less than ¾ ¢ per chick, a good ½ ¢ under the costs in his other house. T. L. Ingram, Ala. Power Co. engineer, aided in planning the installation.

Later, Chambers built an additional 200′ x 30′ broiler house, equipping it with 12 of the 600-chick capacity radiant floor units. He had become convinced that the small units had several advantages over the larger brooders, a conclusion which has since been confirmed.

Another change he made in the construction was the use of a rigid commercial insulating material called styrofoam in place of the concrete-Zonolite mixture. There were two advantages in using styrofoam. One came from its ease in installing. The other lay in the fact that an inch of styrofoam gave him better insulation than 2½ inches of the concrete-Zonolite base, reducing the height of the brooding slabs. The same favorable results were experienced in the new house, now Chambers has converted his entire operation to electric radiant floor brooding.

Mr. Chambers figures that the radiant floor brooders cost him less than $40 a unit. The new 6,000-capacity house, including an automatic feeder and an aluminum roof, the latest in automatic waterers and several other features cost him less than $4,000.

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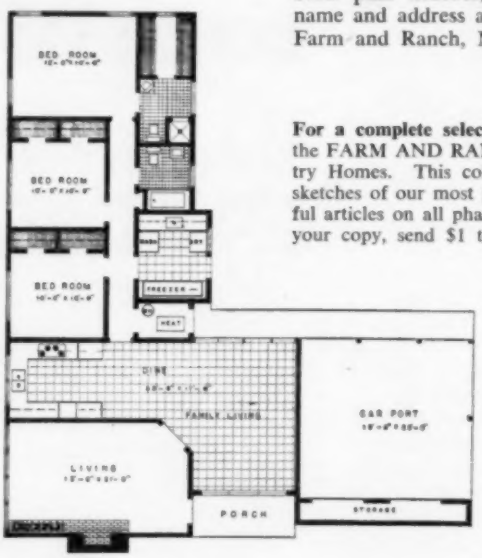
The kitchen in this home is compact, yet it has 20 feet of counter space and 16 feet of wall cabinet space—ample storage for all your needs.

The construction details provide for simple, easy construction that should make it possible for you to have a luxury home at the price of an ordinary one.

You can order working blueprints and specifications for House Plan No. 98 for just $2.00. State plan number, enclose money and your name and address and send to Building Editor, Farm and Ranch, Nashville, Tennessee.



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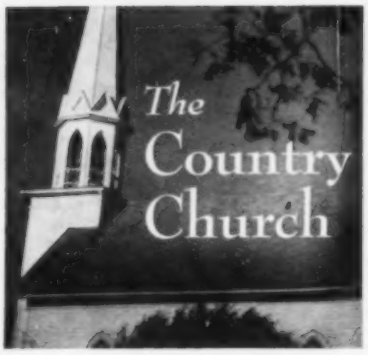

By Walter R. Courtenay, D.D.

January Christians

BEFORE us stands a closed door. Before it is a Christmas tree and the trappings of the Yule Tide. What lies beyond it?

The only thing we know about that door is that on its other side lies a New Year, the year of 1957. From its sill to the distant hills runs a path, the path that you are to tread in the next twelve months. Beyond the hills lies what?

The Romans were very conscious of the door and the path. That is why they called the first month of the year, January, the month of Janus, the Roman God of Portals. Janus was a two-faced, one-headed god, who could look backward and forward at one and the same time. He was the god of yesterday and the god of tomorrow. In his right hand he carried the staff of a traveller, for he was a man on a journey. In his left he carried a bunch of keys, keys to the doors of memory, keys to the doors of new opportunities.

Our word janitor comes from the God of Doors, for the janitor was originally a door-keeper and therefore the guardian and caretaker of property, a follower of Janus. And is there anything our world needs more than an increase of those who are good doorkeepers, faithful guardians of portals? The whole world needs good janitors, moral and spiritual janitors who guard the doors of life, and take good care of the things that matter. It all reminds us of Him who said, "I am the Door."

Before us is a closed door that will soon open. Before us lies a new year that can be better than the old. May the God of Portals lift from our backs, as we pass through, the useless burdens we need not carry. May He give us strength to carry those we cannot leave behind. May He give us stout hearts, great faith, clear vision and a will to succeed for Him. May we who enter January be faithful keepers of the doors.

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Country Doctor

Be Sure To Cook That Pork

APPARENTLY there are still people who don't know the importance of thoroughly cooking pork before eating it. Mr. S. didn't know and almost lost his life from trichinosis.

Mr. S. is a farmer, and a good one. He raises a good bit of that food that his family eats. Customarily at this time of the year he butchers a hog and makes his own sausage.

He likes the spicy taste of sausage, and a month ago when he butchered he tasted the raw sausage along as he made it.

Three days later he had some diarrhea and cramping in his abdomen. He passed this off as intestinal flu and didn't see me for a week, when he began to notice also fever, swelling of the eyelids, and pains in many muscles of the body.

The cause of his sickness was a puzzle until some blood tests lead to the suspicion of trichinosis. A skin test was positive, and when a small piece of muscle was removed it showed under the microscope the small larva forms of trichinosis imbedded in the muscle tissue.

The small round worms that cause trichinosis live in the intestines of infected hogs, producing larval forms which migrate to muscles of the animal. These may live for many months in hog meat unless killed by extreme heat or cold. If infected flesh is eaten the larvae develop into adult worms in the human intestine, and produce many tiny active embryos which migrate to all parts of the body giving severe and sometimes fatal symptoms.

Mr. S. is apparently recovering from his trichinosis, but since there is no specific treatment for the disease his doctors can't take much credit for it.

Since trichinosis in hogs can be largely avoided by feeding no garbage to them, this seems to be one of the easiest ways to control the disease.

Because there is no easy way to tell the difference between infected pork and good pork the safest policy is to thoroughly cook all pork products before eating.

—*Robert N. Metcalfe, M.D.*

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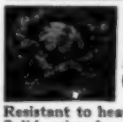

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4579. It's our new Printed Pattern—notice the sleek "coachman" effect of the step-in front. Misses' sizes 10-20. Size 16 takes 4¾ yards of 35-inch fabric.

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9323. Sew daughter a whole wardrobe from this one easy, Printed Pattern! Just vary the neckline and sleeves, add ribbon trim for party versions. Child's sizes 2, 4, 6, 8, 10. Size 6 takes 2½ yards of 35-inch.

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Playtime

IT'S PLAYTIME! . . . At New Year's Eve parties, we release balloons at midnight. On the balloons below you'll find the letters that spell my New Year's wish for you. See if you can figure it out, using each letter only once (mark it off as you use it). Write the message in the blanks below.

H .... I ....

A DAILY PRAYER FOR 1957

Dear Lord, see me safely through this day
While I work and while I play.
Help me to be kind and sweet
To everyone I see and meet.
Help me to do the things I should;
Help me to be right and good.
When my mind is thinking wrong,
Change it quickly to God's song.
Tell the sick and aged You're there,
Tell them they are in Your care.
God, to Thee these things I pray,
Every evening every day.

—Charlotte Milstead (Age 11)
Fort Smith, Arkansas

FOUR FAMOUS MEN

January is the birthday month of four famous Americans. Do you know them?

1. Philosopher and statesman, January 15, 1706.
Answer: .....

2. Confederate general, Jan. 19, 1807.
Answer: .....

3. Confederate general, Jan. 21, 1824.
Answer: .....

4. A president of the United States, January 30, 1882.
Answer: .....

(See answers elsewhere in Playtime.)

RIDDLES

Why can't a bicycle stand up by itself?

?

Who may marry many a wife yet stay single all his life?

?

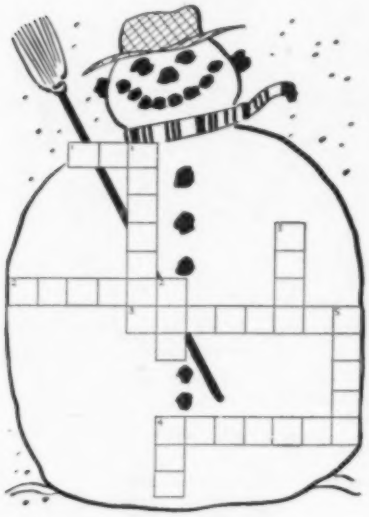
Why did the little red house call the doctor?

?

(Answer: It is "two" (read a minister) it had a window "pane.")

A KEEN IDEA!

Don't let Mom put away those Christmas cards! Use them to make jig-saw puzzles. Paste the cards on cardboard, then cut in all kinds of irregular shapes. Put all the pieces of one card into an envelope so they won't get mixed up with the pieces of another. Keep them for your own entertainment or give some to a sick friend.



JOLLY MR. JANUARY

—Sylvia Price (Age 12)
Edmond, Oklahoma

ACROSS:

1. Abrv. of this month
2. Hangs frozen from the eaves
3. Handful of hard snow
4. A kind of winter gloves

DOWN:

1. 5-Cent pieces
2. That's all
3. Girl's name
4. Snow
5. We skate on frozen

(Last month's answers: Across: 2. Santa; 5. NL (Noel); 6. One; 8. Dolly; 9. Set; 11. LO; 13. No. Down: 1. Ball; 2. Snow; 3. Toys; 4. AN (Dancer); 7. Eat; 10. Ed; 12. ON (Monday).

(Answers to Four Famous Men: Benjamin Franklin, Robert E. Lee, Stonewall Jackson, and Franklin D. Roosevelt.)

Next month I'll tell you what Playtime Pals voted as best in PLAYTIME. Watch for it! Meantime, keep sending me something you have made up by yourself. If it is best it will be printed in this column with your name. Mail it to PLAYTIME, 833 Exposition Avenue, Dallas, Texas.

Your editor, Lauragene Parker

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By Iris Davenport

with TOMATO SAUCE

A BLESSING in disguise is tomato sauce. It gives zip and zang to gravies and sauces; it can change a left-over into a let's-have-it-again dish. It's such an aid to the homemaker-cook that a purchase of tomato sauce by the case would be a good buy.

Teensters' Delight

- 12 eggs
- ½ teaspoon salt
- ⅛ teaspoon pepper
- 4 to 6 drops Tabasco sauce
- ½ teaspoon monosodium glutamate (MSG)
- 1 8-oz. can tomato sauce
- 8 franks
- 12 hamburger rolls
- 2 tablespoons butter or margarine
- 3 tablespoons sweet pickle relish

Break eggs into mixing bowl, add seasonings and ½-can of the tomato sauce. Cut franks into fourths lengthwise, then cut crosswise in thin slices. Add to egg mixture. Melt butter in skillet. Pour egg-frank mixture into pan and stir and cook over low heat until scrambled as desired. Just before serving add other ½-can of tomato sauce and pickle relish. Split rolls and toast. Spread scrambled mixture on bottom half of each roll and cover with top half.

Quick Chili

- 2 tablespoons fat
- ½ cup chopped onion
- ¼ cup chopped green pepper
- 1 pound ground meat
- 2 8-ounce cans tomato sauce
- 1 No. 2 can kidney beans
- 2 tablespoons chili powder
- ½ teaspoon monosodium glutamate (MSG)
- 1 teaspoon salt

Put fat in skillet, add onion, green pepper and meat. Cook until meat has lost its redness. Add tomato sauce. Simmer for 5 minutes. Add beans, chili powder, MSG and salt. Heat thoroughly. Serves 6.

Spanish Sauce

Are you looking for a super sauce to serve over meat loaf, baked fish, cooked spaghetti or omelet? Here is the answer.

Lightly brown 2 tablespoons of chopped onion in 2 tablespoons of fat. Blend in 1 tablespoon flour, add two 8-ounce cans of tomato sauce and 1 cup water. Mix well. Add ¼ cup each of chopped celery and green pepper, 1 tablespoon chopped parsley. Add 1 teaspoon salt, ⅛ teaspoon pepper, 3 drops Tabasco, ½ teaspoon MSG. Cook 15 minutes, stirring frequently.

Ham Loaf

- 4 slices day old bread
- 1 8-ounce can tomato paste
- 2 tablespoons water
- 1 egg
- 2 cups ground cooked ham
- ½ cup ground beef
- 1 small onion chopped
- ½ teaspoon salt
- ⅛ teaspoon pepper
- 2 drops Tabasco
- ½ teaspoon monosodium glutamate (MSG)

Tear bread into small pieces and soak in water and tomato paste 5 minutes. Beat egg slightly and add meat, chopped onion and seasonings. Add tomato paste mixture and mix well. Put in greased loaf pan. Bake in moderate oven (375°) for 1 hour.

Creole Corn

- 3 tablespoons chopped onion
- 3 tablespoons chopped green pepper
- 2 tablespoons minced cooked ham
- 1 tablespoon fat
- 1 8-ounce can tomato sauce
- ½ teaspoon salt
- ⅛ teaspoon pepper
- ½ teaspoon monosodium glutamate (MSG)
- 3 cups canned whole kernel corn (2 12-ounce cans)

Cook onion, green pepper and ham in fat until onion is golden. Add tomato sauce and seasonings, bring to a boil. Add corn and bring to a boil. Lower heat and add more seasoning, if desired.

Speedy Tomato Aspic

- 1 package lemon-flavored gelatine
- 1 cup hot water
- 1 8-ounce can tomato sauce
- ½ teaspoon salt
- ½ teaspoon monosodium glutamate (MSG)
- 3 drops Tabasco sauce
- 1 tablespoon lemon juice
- 2 tablespoons vinegar

Dissolve gelatine in water, add tomato sauce and all other ingredients. Mix well. Chill until partly set. Pour into oiled mold (or individual molds) and chill until firm.

The Southern Country Home

IRIS DAVENPORT, Editor

TAMALE PIE

. . . a meal in one dish

YOU can take your family "Down Mexico Way." It's no trick if you serve them South-of-the-border dishes. Perhaps Chile con Carne is a favorite with your family. Then dare to take them adventuring with other Mexican dishes.

Southwestern cookery and the influence of it is spreading to all parts of the country. Often the recipes for main dishes are adapted so that they will not be so "hot" for Americans who like less zesty seasoning. You will find this just right and a taste treat for the family.

Tamale Pie

1 cup cornmeal
1⅔ cups water
1 teaspoon salt
1 large can (1⅔ cups) evaporated milk
1 cup chopped onion
½ cup chopped green pepper
¾ cup ground meat
2 cups canned whole tomatoes
1 teaspoon salt
¼ teaspoon pepper
1 teaspoon chile powder
1 teaspoon Oregano
½ teaspoon MSG
½ cup tomato catsup
1 cup grated sharp cheese

Put meal into heavy sauce pan. Add water and 1 teaspoon salt. Boil until mixture begins to thicken, then add evaporated milk. Continue to cook until thick—stir constantly—about 10 minutes. Grease bottom and sides of a baking *(Continued on page 43)*

CAKES *that call for seconds*

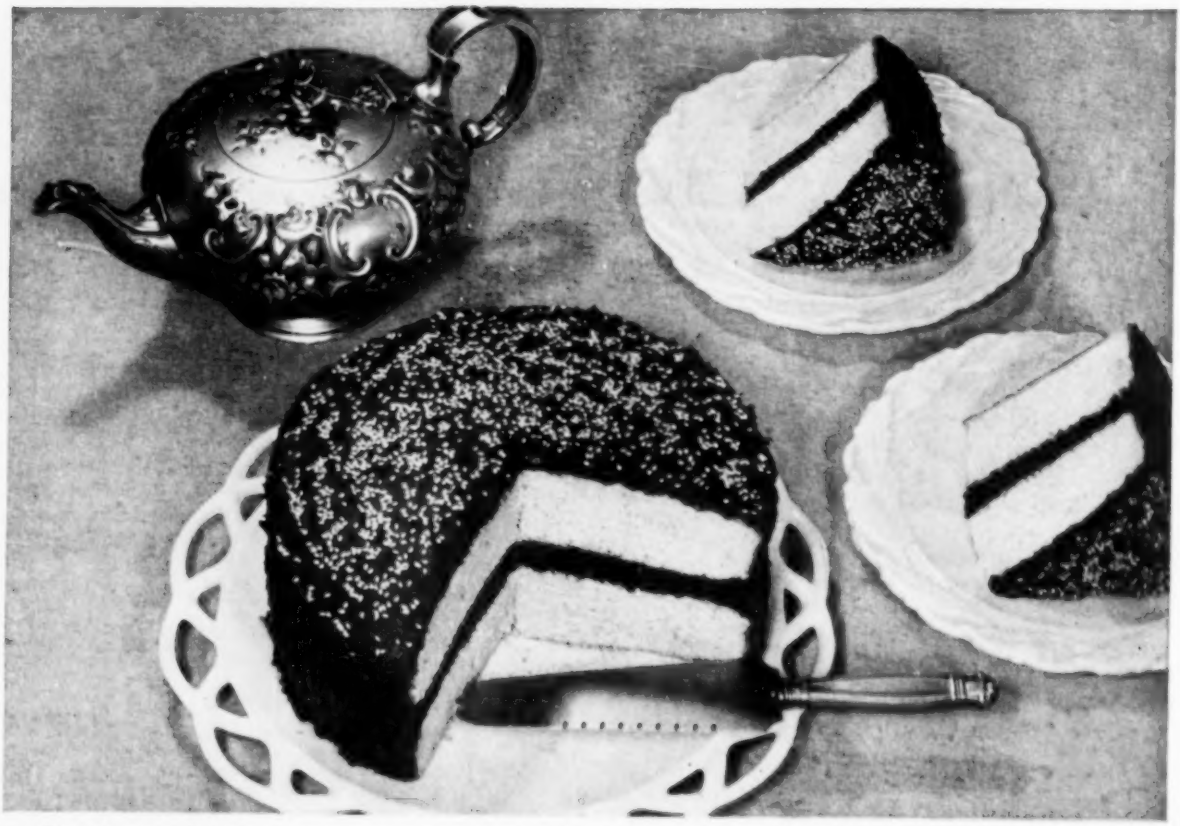
NOT always good for the figure is a second serving of cake; but what a taste delight—and what a big compliment to the cake-maker. Whether you are nine or ninety you have a glow of satisfaction—and right you should—when members of the family and guests pass their plates to the server again.

Have you tried salad oil, or liquid shortening as it is sometimes called, in making cakes? You use it in making these chiffon cakes. They are so light and lovely that they look as though they come from fairyland. The recipes are on page 44.

Banana chiffon cake.

By
IRIS DAVENPORT

Butterscotch chiffon cake.



Try this beautiful Sesame seed mace cake with chocolate fudge frosting.

Tamale Pie

(Continued)

dish; line it with mush, save ¾-cup for topping. Bake at 375° for 15 minutes. Cook the onion, green pepper and meat slowly in a greased frying pan. When red color disappears from the meat, stir in tomatoes, add salt, pepper, chile powder, Oregano, MSG, catsup and cheese. Cook slowly for 5 minutes. Pour into mush crust and top with remaining mush in the form of squares. The squares are made by forming them on a wide spatula or pancake turner, then slipping the squares onto the top of the meat mixture. Bake in a 375° oven for 35 minutes. This will serve 6, and with a crisp green salad, Manzanas N Leche and beverage, will be a complete meal.

Manzanas N Leche

(Apples in milk)

8 Winesap or Staymen apples	1 cup water
16 whole cloves	1 cup milk
8 small pieces of stick cinnamon	3 egg yolks
1 cup sugar	⅛ teaspoon salt
	¼ cup ground almonds

Core and pare apples. Stick 2 whole cloves in each apple and put piece of cinnamon in each. Make syrup of sugar and water. Put apples in and simmer slowly for about 10 minutes—until clear but in shape. Put apples in greased baking dish. Make custard of milk and eggs. Add salt, syrup remaining from simmering apples and almonds. Pour over apples, sprinkle lightly with nutmeg if desired, and bake in a 375° oven.

Cues for Cooks

Iris Davenport

To make raisins extra plump and juicy for pies, salads or fruit cups, put the raisins in a strainer and pour boiling water over them.

To keep fruit cake from crumbling, put in refrigerator overnight before slicing.

To keep candles from burning fast and dripping badly, put them in the refrigerator for about 24 hours before using them.

Leftover egg yolks or whites will keep better and will not dry out if covered with water before storing in refrigerator.

Her dishes win cooking honors at two fairs

Oklahoma Governor presents award to top cook

It's hard to say who looks the happier . . . Governor Gary who is presenting the award, or Mrs. William Bennett who won it. And Mrs. Bennett, of Oklahoma City, won 2 others as well—in last fall's cooking competition at the Oklahoma State Fair. Then Mrs. Bennett went on to take top awards at her county fair, too.

Mrs. Bennett is another expert cook who uses Fleischmann's Active Dry Yeast. "It's fast and easy," she says. "Cooking with yeast is a pleasure."

It's certainly not surprising that the country's top cooks all use Fleischmann's Active Dry Yeast! It stays fresh for months, always rises fast. You'll find it's easier to serve yeast-raised specialties with Fleischmann's Active Dry Yeast on your shelf. When *you* bake at home, use Fleischmann's—and try the new "Yeast-Riz" Main Dish recipes. There's one on every "Thrifty Three" strip.

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R. H. SHUMWAY Seedsman, Dept. 409, Rockford, Illinois

Cakes That Call For Seconds

(Continued from page 42)

Banana Chiffon Cake

1⅛ cup sifted cake flour
¾ cup sugar
1½ teaspoons baking powder
½ teaspoon salt
¼ cup salad oil
2 unbeaten eggs
3 tablespoons cold water
½ cup sieved very ripe bananas (1½ bananas)
½ teaspoon vanilla
½ cup egg whites (4 whites)
¼ teaspoon cream of tartar

Sift dry ingredients together into mixing bowl. Make a well in center of mixture, add salad oil, egg yolks, water, bananas and vanilla. Beat with spoon until smooth. Into large mixing bowl put egg whites and cream of tartar. Whip until very stiff peaks are formed—do not underbeat, they should be much stiffer than for angel food cake or meringue. Gradually pour cake batter over whipped whites, gently fold until the two mixtures are blended. *Do not stir.* Pour into ungreased tube cake pan, bake in 325° F. oven one hour or until top springs back when lightly touched. Immediately turn pan upside down. If pan does not have supports to keep it off the table then place tube part over the neck of a bottle. Let pan hang until cake is cold. Loosen from sides and tube with a spatula and remove from the pan.

Divide the cake into three even layers, spread whipped cream filling between the layers and over the top and sides, garnish with banana slices that have been dipped in lemon, orange or grapefruit juice to keep from turning dark. Keep in refrigerator until serving time.

Whipped Cream Filling

1 pint chilled heavy cream
½ cup confectioners' sugar
1 teaspoon vanilla

Whip cream very stiff in a chilled bowl. Beat in vanilla and sugar.

Butterscotch Chiffon Cake

1⅛ cup sifted cake flour
1½ teaspoons baking powder
½ teaspoon salt
1 cup (packed) brown sugar
¼ cup salad oil
2 unbeaten eggs
⅜ cup cold water
1 teaspoon vanilla
½ cup egg whites (4)
¼ teaspoon cream of tartar

Sift flour, baking powder and salt, add sugar and mix. Make well in center of mixture, add salad oil, eggs, water and vanilla—in order given. Beat with spoon until smooth. Put egg whites and cream of tartar in large mixing bowl. Whip until very, very stiff—stiffer than for meringue. Gradually pour batter over beaten whites, fold in until mixtures are blended. *Do not stir.* Pour into ungreased tube cake pan, bake at 325° F. for an hour or until top springs back when lightly touched. When done follow directions for cooling as for Banana Chiffon Cake. When cold frost with Penuche Icing.

Penuche Icing

2 cups brown sugar
½ cup milk
1 teaspoon vanilla
½ cup shortening
¼ teaspoon salt

Put sugar, milk, shortening and salt together and mix. Bring quickly to a rolling boil, stirring constantly. Boil 1 minute. Remove from heat and beat until lukewarm. Add vanilla and continue beating until icing begins to lose its gloss and is thick enough to spread. If icing becomes too thick to spread add 1 teaspoon of cream and beat. (If icing should not set after a good bit of beating add one tablespoon sugar, let stand a few minutes, then continue beating. Spread on sides and top of cake.

Sesame Seed Mace Cake

2 cups sifted flour
½ teaspoon salt
2 teaspoons baking powder
¾ teaspoon ground mace
⅔ cup shortening
1⅓ cups sugar
3 eggs
⅔ cup milk
Chocolate fudge frosting
3 tablespoons toasted sesame seeds

Sift first 4 ingredients together, set aside. Put shortening in large mixing bowl, gradually add sugar, creaming well. Beat in eggs—one at a time. Then add ⅓ of flour mixture, mix, then add ½ of milk, mix well. Add another ½ of flour mixture and remainder of milk, then remainder of flour mixture and beat 20 strokes. Pour batter into 2 well-greased, lightly-floured, round 8-inch cake pans. Bake 25 minutes in a moderate oven 350° F. Cool 10 minutes. Remove cakes from pans. When cold, frost with Chocolate Fudge Frosting. Sprinkle toasted sesame seed over each layer.

To toast sesame seed—heat sesame seed 18 minutes in a moderate oven 350° F. Stir—to brown evenly.

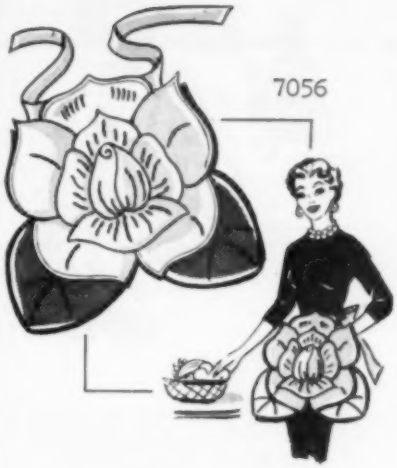
Chocolate Fudge Frosting

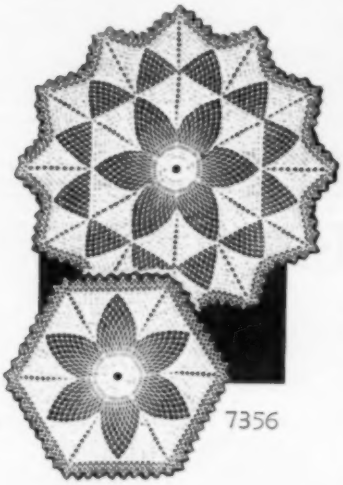
½ cup butter or margarine
2 squares unsweetened chocolate or 6 tablespoons cocoa
1 tablespoon white corn syrup
3⅔ cups sifted confectioners' sugar
7 tablespoons evaporated or top milk
⅛ teaspoon salt
1 teaspoon pure vanilla extract

Brown butter in a saucepan. Add chocolate, stir until melted, add corn syrup and mix well. Add part of sugar. Stir and add part of milk. Continue until all sugar and milk are stirred in. Add salt and vanilla, stir well. Place bottom side of one cake up and spread on frosting, sprinkle on part of toasted sesame seed. Then place bottom of other cake on top of frosting. Spread frosting on top and sides. Sprinkle on remainder of toasted sesame seeds.

7056. A big, beautiful rose "blooming" in color—forms this most unusual apron for serving guests! Embroidery transfer, directions for making apron, 18 inches long.

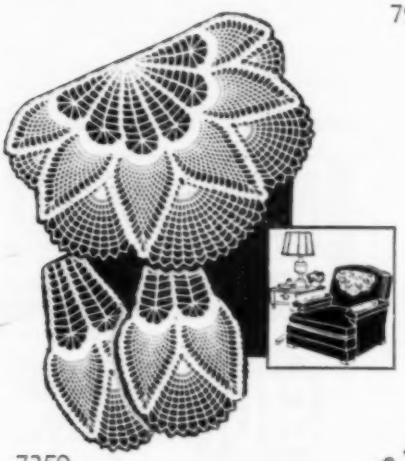
7356. Best doily for beginners—fast doily for experts! It's one of the prettiest ever, with its pointed design, lacy edge! Takes little cotton. Crochet directions for large doily 18 inches, small 13 inches in No. 30 cotton.





793. A beautiful flower for every month of the year—blooming in vivid colors on this cozy quilt! Diagrams, transfers of all 12 flowers-of-the-year included. Quilt 72 x 102 inches.

793



7259

7259. Beginner-simple to crochet this attractive chair-set! It's done so quickly, in pineapple design. Perfect accessory for both modern and traditional furniture. Easy to do.

7118. Swedish weaving on huck toweling is easy! Use on curtains, aprons, towels, baby-bibs, knitting bags! Pattern has charts, directions for 4 designs.

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9144
SIZES
12–20
30–42

PRINTED PATTERN
4665
SIZES
10—18

9230
SIZES
14½—24½

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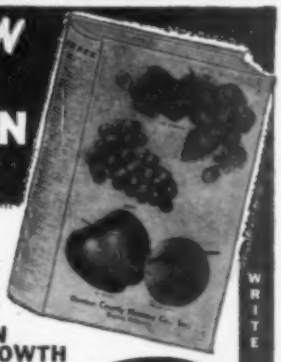

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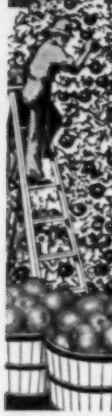

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Straight Talk

SUPPOSE the government told you you couldn't farm unless you joined the Farm Bureau, the Grange or—perish the thought—the Farmers Union? Or that your wife had to belong to a Home Demonstration club, your children to 4-H and FFA before you'd be "eligible" to farm? (It's bad enough being told what you can and can't plant.)

If you are a Democrat, Republican, Mason, Methodist, Elk, Rotarian or American Legioner, you can resign, join another organization or none and suffer no consequences. But a laborer, by act of Congress (Taft-Hartley), must join the union where he works—in the 32 union shop states. Only 16 states have their own right-to-work laws. In the other 32 states, workers are compelled to join the union, compelled to have their dues checked off from their pay by their compelled employer. And then the union officials take the booty and are not even compelled to report how they spend it.

Future Belongs to the South

These Southern states have right-to-work laws: Alabama, Arkansas, Florida, Georgia, Mississippi, North Carolina, South Carolina, Tennessee, Texas, and Virginia. Right-to-work laws are of vital concern to the South and to Southern farmers. Both American Farm Bureau Federation and National Grange favor right-to-work laws. Many Southern farmers are part-time industrial workers. Where unionism is compulsory, the farmer must pay an initiation fee and regular dues, cash in advance, for the right to try to make ends meet between crops.

Because of the quality and abundance of good climate, water, geography, land, and people, the future belongs to the South—with or without right-to-work laws. But we'll make more progress if workers have a right but not a compulsion to join unions. Unions are now trying to prevent industries from moving South. They impose cash penalties for non-union production in a branch plant. The AFL-CIO United Hatters, Cap & Millinery Workers International Union, for instance, demanded that the American Needle and Novelty Company of Chicago pay 50 cents to $1.50 a dozen to it for any cap production transferred to the proposed new plant in Frankfort, Kentucky. The Kentucky plant was not opened. A New York garment manufacturer is paying $250,000 over a four-year period to the AFL-CIO International Ladies Garment Workers Union to "make up" for the labor costs it saves by operating two non-union plants in the South. That's carpetbagging, modern style.

There are several reasons why unions are bucking the movement of industry to the South: Unions are pushing "civil rights" which means desegregated workers. Southern workers are harder to organize, more independent, harder to control. And so are the politicians.

In 1954 a union-directed reign of terror began at The Kohler Company in Kohler, Wisconsin, mainly because the company wouldn't force workers to belong to a union. For over three years anyone who wanted to work at the Kohler Company has done so at the expense of possible violence to his person, his family or his property. (That's Kohler, Wisconsin—not Moscow, Russia.) There have been more than 800 gunshot blasts into homes, arson, brickbats, cut cables, dynamitings of automobiles, window smashings, acid throwings, murders, pig poisonings, and cow cuttings by union "morale builders" enjoying a right-to-wreck mandate from government authorities. The union came to Kohler not to protest the downtrodden working man but to collect dues. The village of Kohler has long been known as an outstanding example of a planned industrial garden community where practically all families own their own homes and wages are higher than the average for the industry, state, or county. The enlightened Kohler Company had not laid off a worker for 17 years. In spite of the union's imported, professional picket lines, violence, vandalism, anarchy, and $6 million in union funds, the company stuck it out and is operating again. And now that it has lost the strike the union has resorted to urging boycott of purchase and use of Kohler products, and is attempting to get local unions all over the country to refuse to install or "slow down" installations of Kohler products.

If a company should hire thugs to interfere with another company's business, the fine and jail sentences would be stiff. But if union pickets do it, it's "organizational activity." If you attempt to cross the picket line and are beaten by hired goons (they don't even have to be striking workers) you can't collect damages. Unions are above the law.

It is legal for organized labor to destroy a company but illegal for a company to destroy a union.

The time is overdue to incorporate unions and tax them as any other business, to make them legally liable, and subject to anti-trust laws. Even boxing bouts and stage shows are subject to anti-trust laws.

Free Men Have Free Choice

The Supreme Court used to believe (before it was packed) that the Bill of Rights protected the right to work. Now the court upholds unions in forcing membership on unwilling workers. Thus millions of laborers are held captive in unions they don't want to contribute to, by edict of the Congress of the U. S. backed by the Supreme Court. In 32 states you can get a job without joining a church, but not without joining a union. The Supreme Court believes in *segregation* of church and state, and in *integration* of unions and state.

True liberty means more than freedom from servitude. Liberty means freedom to serve or not to serve. To work or not to work. Freedom of *choice*. The unions demanded and got the union shop law in order to force non-union workers to join, not just to get their dues money but so they'd have disciplinary power over their present members who'd feel free to resign if the law permitted it.

Neither Big Business, Big Labor nor Big Government have the moral right to sign away men's freedom.

If Congress knocked out the clause in Taft-Hartley which specifically permits states to pass laws banning forced unionism, all state right-to-work laws would become invalid. Let's support right-to-work laws.

Right-to-work laws are good for the South. Right-to-work laws are good for farmers. Right-to-work laws are good.

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